JOURNAL OF
POLYMER SCIENCE

Combined Author Index to Volume 39

This index covers the Polymer Chemistry and Polymer Physics Editions of the *Journal of Polymer Science,* Vol. 39, 2001. The Edition in which an item appears is indicated by a C or P, respectively, following the page number.

Abbott, N. L. See Möller, M., 3529C
Abboud, K. A. See Irvin, J. A., 2164C
Abd-El-Aziz, A. S.
—; May, L. J.; Hurd, J. A.; Okasha, R. M.: First Ring-Opening Metathesis Polymerization of Norbornenes Containing Cationic Iron Moieties, 2716C
—; Todd, E. K.; Ma, G. Z.: Design of Polyethers, Thioethers, and Amines with Pendent Iron Moieties, 1216C
Abdul Karim, S. M.
—; Nomura, R.; Masuda, T.: Degradation Behavior of Stereoregular Cis–Transoidal Poly(phenylacetylene)s, 3130C
Abe, M. See Sugihara, S., 3190C
Abe, Y.
—; Tashiro, K.: Computer Simulation of Structure and Ferroelectric Phase Transition of Vinylidene Fluoride Copolymers. IV. The Factors Governing the Ferroelectric Phase Transition of VDF-TrFE Copolymers, 689P
—; See Tashiro, K., 1296P
Abeysekera, R. M. See Atkin, N. J., 1471P
Abraham, G. A. See De Queiroz, A. A. A., 459P
Acosta, J. L. See Bashir, H., 1017P
Adams, P. J. H. M. See Cornelissen, J. J. L. M., 4255C
Ade, H. See Sloop, C. C., 531P
Adebahr, J. See Gavelin, P., 1519P
Adhikari, B. See Gupta, T., 2978C
Agag, T. See Takeichi, T., 2633C
Aglietto, M. See Castelvetro, V., 32C
Ahlgren, M. See Liimatta, J. O., 1426C
Ahmedzade, M. See Erol, I., 4167C
Ahn, D. J. See Ko, Y. G., 3875C
Ahn, W. Y.
—; Bae, Y. C.: Ionic Conductivities of Solid Polymer Electrolytes: The Effect of Pressure, 1484P
Aksoy, S. See Yerlikaya, Z., 3263C
Akutsu, F. See Kasashima, Y., 1877C
Alamo, R. See Annis, B. K., 2852P
Alberdi, J. M. See Plessis, C., 1106C
Albertsson, A. C.
—; Vogl, O.: In Memoriam: Professor Bengt Rånby (5 April 1920–10 October 2000), 263C
—; See Liu, Y., 630C, 2508C
Aldabbagh, F. See Cresidio, S. P., 1232C
Aldridge, G. A. See Williams, G., 1173P
Alegría, A. See Cendoya, I., 1968P
Alexander, M. D., Jr. See Tan, L.-S., 2539P
Alferiev, I. S.
—; Vyavahare, N. R.; Song, C. X.; Levy, R. J.: Elastomeric Polyurethanes Modified with Geminal Bisphosphonate Groups, 105C
Alla, A. See Kint, D. P. R., 3250C
Allen, L. H. See Kwan, A. T., 1237P
Al-Muallem, H. A.
—; Knauss, D. M.: Graft Copolymers from Star-Shaped and Hyperbranched Polystyrene Macromonomers, 3547C
—; Knauss, D. M.: Synthesis of Hybrid Dendritic-Linear Block Copolymers with Dendritic Initiators Prepared by Convergent Living Anionic Polymerization, 152C
Alonso, B. See Judeinstein, P., 645P
Alsoy, S. See Zielinski, J. M., 1496P
Altomare, A.
—; Ciardelli, F.; Gallot, B.; Mader, M.; Solaro, R.; Tirelli, N.: Synthesis and Polymerization of Amphiphilic Methacrylates Containing Permanent Dipole Azobenzene Chromophores, 2957C
Amari, T.
—; Nishimura, K.; Minou, K.; Kawabata, A.; Ozaki, Y.: End-Group Characterization of Homo- and Copolyesters of Cyclohexane-1,4-dimethanol, 665C
Ambade, A.
—; Kumar, A.: An Efficient Route for the Synthesis of Hyperbranched Polymers and Dendritic Building Blocks Based on Urea Linkages, 1295C

Ameduri, B.
—; Bongiovanni, R.; Lombardi, V.; Pollicino, A.; Priola, A.; Recca, A.: Effect of the Structural Parameters of a Series of Fluoromonoacrylates on the Surface Properties of Cured Films, 4227C
Amis, E. J. See Smith, A. P., 2141P
An, L. See Yuan, Q., 1855P
Ananchenko, G. S.
—; Fischer, H.: Decomposition of Model Alkoxyamines in Simple and Polymerizing Systems. I. 2,2,6,6-Tetramethylpiperidinyl-*N*-oxyl-Based Compounds, 3604C
Andjelić, S.
—; Jamiolkowski, D.; McDivitt, J.; Fischer, J.; Zhou, J.: Spherulitic Growth Rates and Morphology of Absorbable Poly(*p*-dioxanone) Homopolymer and its Copolymer by Hot-Stage Optical Microscopy, 3073P
—; Jamiolkowski, D.; McDivitt, J.; Fischer, J.; Zhou, J.; Wang, Z.-G.; Hsiao, B. S.: Time-Resolved Crystallization Study of Absorbable Polymers by Synchrotron Small-Angle X-Ray Scattering, 153P
Ando, I. See Mercier, A., 956P
Ando, S. See Hayakawa, T., 2287C
Andre, S.
—; Guida-Pietrasanta, F.; Rousseau, A.; Boutevin, B.: Novel Synthesis of Polyimide–Polyhybridsiloxane Block Copolymers via Polyhydrosilylation: Characterization and Physical Properties, 2414C
Andronov, A.
—; Robello, D. R.; Fréchet, J. M.: Light Harvesting and Energy Transfer within Coumarin-Labeled Polymers, 1366C
Androsch, R.
—; Reversibility of the Low-Temperature Transitions of Polytetrafluoroethylene as Revealed by Temperature-Modulated Differential Scanning Calorimetry, 750P
Annby, U.
—; Ek, M.; Rehnberg, N.: Synthesis of New Monofunctional and Oligofunctional Oxetane Acetals, 613C
Annis, B. K.
—; Kim, M.-H.; Alamo, R.; Pyda, M.: Inelastic Neutron Scattering from Isotactic Polypropylene, 2852P
Anseth, K. S. See Burdick, J. A., 683C
Anthamatten, M.
—; Hammond, P. T.: Free-Energy Model of Asymmetry in Side-Chain Liquid-Crystalline Diblock Copolymers, 2671P
Antonietti, M. See Tiarks, F., 2520C
Aoki, Y. See Kim, J.-T., 2677C; Seki, M., 2340P
Aoshima, S.
—; Hashimoto, K.: Stimuli-Responsive Block Copolymers with Polyalcohol Segments: Syntheses via Living Cationic Polymerization of Vinyl Ethers with a Silyloxyl Group and Their Thermoreversible Physical Gelation, 746C
—; Segawa, Y.; Okada, Y.: Cationic Polymerization of Styrene in the Presence of Added Base: Living Nature of the Propagating Species and Synthesis of Poly(vinyl alcohol)-*graft*-Polystyrene, 751C
—; See Sugihara, S., 3190C
Aoyagi, T. See Ebara, M., 335C
Araki, O.
—; Horie, M.; Masuda, T.: Physical Aging of Polycarbonate Investigated by Dynamic Viscoelasticity, 337P
Araújo, P. H. H. See Sayer, C., 3513C
Archambeau, C. See Zune, C., 1774C
Archer, L. A. See Islam, M. T., 2275P; Lee, J. H., 2501P
Armelin, E. See Asín, L., 4283C
Armes, S. P. See Perrier, S., 1696C
Arnold, F. E. See Song, H. H., 559P
Arora, R. K.
—; Jain, R. K.; Nanda, V. S.: Cell Theory and Equation-of-State of Chain Molecular Systems: Application to Polymer Solids, 515P
Arzamendi, G. See Plessis, C., 1106C; Sayer, C., 3513C
Asadi, A. S. I. See Silcoff, E. R., 872C
Asai, M. See Hayakawa, T., 2287C; Nishio, A., 416C; Okazaki, M., 78C
Asai, T. See Ishiyama, C., 3103P
Asandei, A. D.
—; Percec, V.: From Metal-Catalyzed Radical Telomerization to Metal-Catalyzed Radical Polymerization of Vinyl Chloride: Toward Living Radical Polymerization of Vinyl Chloride, 3392C
Asgarzadeh, F. See Percec, V., 1120C
Asín, L.
—; Armelin, E.; Montané, J.; Rodríguez-Galán, A.; Puiggalí, J.: Sequential Poly(ester amide)s Based on Glycine, Diols, and Dicarboxylic Acids: Thermal Polyesterification versus Interfacial Polyamidation. Characterization of Polymers Containing Stiff Units, 4283C
Assouline, E.
—; Grigull, S.; Marom, G.; Wachtel, E.; Wagner, H. D.: Morphology of α-Transcrystalline Isotactic Polypropylene under Tensile Stress Studied with Synchrotron Microbeam X-Ray Diffraction, 2016P
Asua, J. M. See De La Cal, J. C., 585C; Plessis, C., 1106C; Sayer, C., 3513C
Atkin, N. J.
—; Abeysekera, R. M.; Chenery, D. H.; Robards, A. W.: Induced Changes of Polymer Organization in a Gel of Poly(vinyl alcohol) Crosslinked by Congo Red, 1471P
Atkins, E. See Furuhashi, Y., 2622P
Aubrecht, K. B.
—; Chang, K.; Hillmyer, M. A.; Tolman, W. B.: Lactide Polymerization Activity of Alkoxide, Phenoxide, and Amide Derivatives of Yttrium(III) Arylamidinates, 284C
Avci, D.
—; Lemopulo, K.; Mathias, L. J.: Cyclocopolymerization of Allyl-Acrylate Quaternary Ammonium Salts with

Diallyldimethylammonium Chloride, 640C
Aymes-Chodur, C.
—; Esnouf, S.; Le Moël, A.: ESR Studies in γ-Irradiated and PS-Radiation-Grafted Poly(vinylidene fluoride), 1437P
Azar, D. See Giotto, M., 1548P

Babkina, O. N. See Panin, A. N., 1915C
Babu, G. N. See Kharchenko, S. B., 2562P
Bachmann, F.
—; Ruppenstein, M.; Thiem, J.: Synthesis of Aminosaccharide-Derived Polymers with Urea, Urethane, and Amide Linkages, 2332C
Bae, Y. C. See Ahn, W. Y., 1484P; Choi, H. S., 1928P
Baer, E. See Chen, H. Y., 1578P; Polyakova, A., 1889P, 1900P, 1911P
Bafna, A.
—; Beaucage, G.; Mirabella, F.; Skillas, G.; Sukumaran, S.: Optical Properties and Orientation in Polyethylene Blown Films, 2923P
Bai, F. See Yang, J., 3981C
Bai, R.-K. See Hong, C.-Y., 3934C
Bai, S. J. See Tan, L.-S., 2539P
Baird, D. G. See Shobha, H. K., 2904C
Baker, A. T. See Nissen, K. E., 623P
Baker, G. L. See Olson, K., 2731C
Baker, T. See Tarcha, P. J., 4189C
Balooch, M.
—; Wang, W.-E.; Kirkpatrick, J. R.: Hydrogen Uptake Mechanism of a Silicone-Rubber DEB Getter Mixture, 425P
Balsamo, V.
—; Calzadilla, N.; Mora, G.; Müller, A. J.: Thermal Characterization of Polycarbonate/Polycaprolactone Blends, 771P
Balsara, N. P. See Kim, W. G., 2231P
Baltá-Calleja, F. J. See Denchev, Z., 881P
Ban, H. T.
—; Kase, T.; Murata, M.: Manganese-Based Transition Metal Complexes as New Catalysts for Olefin Polymerizations, 3733C
Banerjee, S. See Gutch, P. K., 383C
Baney, J. M. See Hui, C. Y., 1195P
Banthia, A. K. See Ghosh, S., 4182C
Bao, H. See Chen, Z., 3726C
Bao, Y. Z.
—; Brooks, B. W.: Phase-Equilibrium Behavior of Vinyl Chloride/*n*-Butane and Its Application in Determination of Vinyl Chloride Heterogeneous Polymerization Kinetics, 2179C
Barakat, I.
—; Dubois, Ph.; Grandfils, Ch.; Jérôme, R.: Poly(ε-caprolactone-*b*-glycolide) and Poly(D,L-lactide-*b*-glycolide) Diblock Copolyesters: Controlled Synthesis, Characterization, and Colloidal Dispersions, 294C
Barbari, T. A. See Hong, S. U., 908P
Bardeau, J.-F. See Poncin-Epaillard, F., 3052C
Barham, P. J. See Finlay, J., 1404P
Barikani, M.
—; Mehdipour-Ataei, S.; Yeganeh, H.: Synthesis and Properties of Novel Optically Active Polyimides, 514C
Barmatov, E. B.
—; Pebalk, D. A.; Barmatova, M. V.; Shibaev, V. P.: Side-Chain Functionalized Liquid-Crystalline Polymers and Blends. IX. Phase Behavior and Structure of Comb-Shaped Liquid-Crystalline Ionomers Containing Calcium Ions, 3953C
Barmatova, M. V. See Barmatov, E. B., 3953C
Barner-Kowollik, C.
—; Heuts, J. P. A.; Davis, T. P.: Free-Radical Copolymerization of Styrene and Itaconic Acid Studied by ^{1}H NMR Kinetic Experiments, 656C
—; Quinn, J. F.; Morsley, D. R.; Davis, T. P.: Modeling the Reversible Addition–Fragmentation Chain Transfer Process in Cumyl Dithiobenzoate-Mediated Styrene Homopolymerizations: Assessing Rate Coefficients for the Addition–Fragmentation Equilibrium, 1353C
Barocio, S. R. See Olayo, M. G., 175P
Barrales-Rienda, J. M. See Cramer, S. E., 860P
Bartczak, Z. See Kaluzynski, K., 955C
Barth, H. See Gridnev, A. A., 1099C
Bashir, H.
—; Linares, A.; Acosta, J. L.: Synthesis and Characterization of Ion-Conducting Polymer Systems Based on EPDM Blends, 1017P
Basko, M. See Kaluzynski, K., 955C
Bassett, D. C. See Hosier, I. L., 2874P
Bates, F. S. See Dean, J. M., 2996P
Batsberg, W. See Chen, X., 1046P
Baxter, S. M. See Liao, Y., 3356C
Bayramli, E. See Yerlikaya, Z., 3263C
Beaucage, G. See Bafna, A., 2923P
Beaume, F. See Malveau, C., 2781P
Becker-Guedes, F. See Bonagamba, T. J., 2444P
Becker, M. L.
—; Remsen, E. E.; Wooley, K. L.: Diblock Copolymers, Micelles, and Shell-Crosslinked Nanoparticles Containing Poly(4-fluorostyrene): Tools for Detailed Analyses of Nanostructured Materials, 4152C
Becker, S. See Klok, H.-A., 1572C
Belfiore, L. A. See Das, P. K., 677P
Beltrani, T.
—; Bösch, M.; Centore, R.; Concilio, S.; Günter, P.; Sirigu, A.: Synthesis and Electrooptic Properties of Side-Chain Methacrylate Polymers Containing a New Azophenylbenzoxazole Chromophore, 1162C
Benavente, R.
—; Pérez, E.; Quijada, R.: Effect of the Comonomer Content on the Mechanical Parameters and Microhardness Values in Poly(ethylene-*co*-1-

octadecene) Synthesized by a Metallocene Catalyst, 277P
—; See Cerrada, M. L., 1P
Benkhati, H.
—; Tan, T. T. M.; Jungnickel, B.-J.: Transcrystallization Kinetics of Poly(vinylidene fluoride), 2130P
Benkoski, J. J.
—; Fredrickson, G. H.; Kramer, E. J.: Effects of Composition Drift on the Effectiveness of Random Copolymer Reinforcement at Polymer–Polymer Interfaces, 2363P
Benmouna, F. See Gogibus, N., 581P
Benmouna, M. See Gogibus, N., 581P
Bergbreiter, D. E.
—; Using Polymers to Control Substrate, Ligand, or Catalyst Solubility, 2351C
—; Liu, M. L.: Polythiophene Formation within Hyperbranched Grafts on Polyethylene Films, 4119C
Berggren, R. See Gelfer, M. Y., 2774P
Berkovici, R. See Ramon, O., 1665P
Berner, R. A. See Robeson, L. M., 1093P
Bertolotti, S. G. See Rivarola, C. R., 4265C; Villegas, L., 4074C
Bertrand, P. See Netcheva, S., 314P
Bes, L.
—; Rousseau, A.; Boutevin, B.; Mercier, R.: Syntheses and Characterizations of Bis(trialkoxysilyl)oligoimides. II. Syntheses and Characterizations of Fluorinated Crosslinkable Oligoimides with Low Refractive Indices, 2602C
—; See Huan, K., 1833C
Bessodes, M. See Masson, C., 4022C
Beunet, J. See Poncin-Epaillard, F., 3052C
Bharathi, P. See Zhu, A., 2859C
Bhattacharyya, S.
—; Saha, S. K.; Chakravorty, M.; Mandal, B. M.; Chakravorty, D.; Goswami, K.: Frequency-Dependent Conductivity of Interpenetrating Polymer Network Composites of Polypyrrole–Poly(vinyl acetate), 1935P
Bhowmik, P. K.
—; Burchett, R. A.; Han, H.; Cebe, J. J.: Synthesis and Characterization of Poly(pyridinium salt)s with Organic Counterion Exhibiting both Lyotropic Liquid-Crystalline and Light-Emitting Properties, 2710C
Biçak, N. See Hizal, G., 2426C; Şenkal, B. F., 2691C
Biedron, T.
—; Kaluzynski, K.; Pretula, J.; Kubisa, P.; Penczek, S.; Loontjens, T.: Synthesis of High Molar Mass Poly(alkylene phosphate)s by Polyaddition of Diepoxides to Difunctional Phosphoric Acids: Unusual Elimination of the Side Reactions, 3024C
Biesemans, M. See Vanhaecht, B., 833C
Binder, W. H. See Einzmann, M., 2821C
Biresaw, G.
—; Carriere, C. J.: Correlation between Mechanical Adhesion and Interfacial Properties of Starch/Biodegradable Polyester Blends, 920P
Blanco, F. See Nieto, J., 1616P
Blanski, R. See Fu, B. X., 2727P
Bloom, P. D.
—; Sheares, V. V.: Synthesis of Poly(*p*-phenylene) Macromonomers and Multiblock Copolymers, 3505C
Boaretto, R. See Mortara, S., 4243C
Böhme, F. See Kunert, C., 1280C
Bois, A. See Jégat, C., 201P
Bon, S. A. F. See Haddleton, D. M., 2378C
Bonagamba, T. J.
—; Becker-Guedes, F.; DeAzevedo, E. R.; Schmidt-Rohr, K.: Slow Ester Side-Group Flips in Glassy Poly(alkyl methacrylate)s Characterized by Centerband-Only Detection of Exchange Nuclear Magnetic Resonance, 2444P
Bongiovanni, R. See Ameduri, B., 4227C
Bonnet, A.
—; Lestriez, B.; Pascault, J. P.; Sautereau, H.: Intractable High-T_g Thermoplastics Processed with Epoxy Resin: Interfacial Adhesion and Mechanical Properties of the Cured Blends, 363P
Borjihan, G. See Hong, C.-Y., 3934C
Borovik, A. S. See Sharma, A. C., 888C
Bösch, M. See Beltrani, T., 1162C
Bosch, P. See Mateo, J. L., 2049C, 2444C
Bourdonneau, M. See Martel, B., 169C
Boustta, M. See Couffin-Hoarau, A.-C., 3475C
Boutevin, B. See Andre, S., 2414C; Bes, L., 2602C; David, G., 2740C
Bowman, C. N. See Cramer, N. B., 3311C
Boyer, S. A. E. See Hilic, S., 2063P
Bozkurt, A.
—; Meyer, W. H.: Proton-Conducting Poly(vinylpyrrolidon)–Polyphosphoric Acid Blends, 1987P
Bradley, J. See Mishra, M., 947C
Brar, A. S.
—; Yadav, A.: Microstructure of Glycidylmethacrylate/Vinyl Acetate Copolymers by Two-Dimensional Nuclear Magnetic Resonance Spectroscopy, 4051C
Bräuchle, C. See Serhatli, I. E., 1589C
Bravaya, N. M. See Panin, A. N., 1901C, 1915C
Bresadola, S. See Mortara, S., 4243C
Briscoe, B. J. See Flichy, N. M. B., 3020P
Brooks, B. W. See Bao, Y. Z., 2179C
Brown, N. See Rabinowitz, S., 2420P
Brustolin, F.
—; Castelvetro, V.; Ciardelli, F.; Ruggeri, G.; Colligiani, A.: Synthesis and Characterization of Different Poly(1-vinylindole)s for Photorefractive Materials, 253C
Bryant, W. S. See Gibson, H. W., 1978C
Budhlall, B. M.
—; Sudol, E. D.; Dimonie, V. L.; Klein, A.; El-Aasser, M. S.: Role of Grafting in the Emulsion Polymerization of Vinyl Acetate with Poly(vinyl

alcohol) as an Emulsifier. I. Effect of the Degree of Blockiness on the Kinetics and Mechanism of Grafting, 3633C
Budtov, V. P. See Pavlyuchenko, V. N., 1435C
Bueno, C. See Villegas, L., 4074C
Bulakh, N. See Hambir, S., 446P
Bulou, A. See Poncin-Epaillard, F., 3052C
Burchett, R. A. See Bhowmik, P. K., 2710C
Burdick, J. A.
—; Philpott, L. M.; Anseth, K. S.: Synthesis and Characterization of Tetrafunctional Lactic Acid Oligomers: A Potential *In Situ* Forming Degradable Orthopaedic Biomaterial, 683C
Burgar, M. I. See Shelby, M. D., 32P
Busfield, W. K.
—; Zayas-Holdsworth, C. I.; Thang, S. H.: End-Functionalized Copolymers Prepared by the Addition–Fragmentation Chain-Transfer Method: Vinyl Acetate/Methacrylonitrile System, 2911C
—; See Cresidio, S. P., 1232C
Bussels, R. See Monteiro, M. J., 2813C
Butler, P. D. See Greenberg, C. C., 2549P
Buzin, A. See Pyda, M., 1565P
Byutner, O.
—; Smith, G. D.: Temperature and Molecular Weight Dependence of the Zero Shear-Rate Viscosity of an Entangled Polymer Melt from Simulation and Theory, 3067P

Cádiz, V. See Espinosa, M. A., 2847C
Caflisch, G. B. See Seo, K. S., 2378P
Cai-Yuan, P.
—; Lei, T.; De-Cheng, W.: Synthesis and Characterizations of the Four-Armed Amphiphilic Block Copolymer S poly(2,3-dihydroxypropyl acrylate)-*block*-poly(methyl acrylate)$]_4$, 3062C
Cakmak, M. See Galay, J., 1107P, 1147P
Calle, P. See García, F., 1843C
Calvo, M. See Mateo, J. L., 2049C, 2444C
Calzadilla, N. See Balsamo, V., 771P
Camps, M. See Jégat, C., 201P
Canet, D. See Malveau, C., 2781P
Cao, H. See Zhang, R., 2035P
Cao, Y. See Li, Z., 3428C
Capek, I.
—; Wu, P.-L.; Huang, C.-C.; Liaw, D.-J.: Interaction of Naphthalene-Labeled Poly(hydrochloride quaternized 2-norbornene-5-methyleneamine) with O/W Microemulsion Droplets, 101P
Carriere, C. J. See Biresaw, G., 920P
Carrot, G.
—; Diamanti, S.; Manuszak, M.; Charleux, B.; Vairon, J.-P.: Atom Transfer Radical Polymerization of *n*-Butyl Acrylate from Silica Nanoparticles, 4294C
Caruso, U.
—; Panunzi, B.; Roviello, A.; Sirigu, A.; Spasiano, D.: Rigid-Chain Metallomesogenic Polymers Containing Vanadyl or Copper(II) Ions Coordinated in the Main Chain, 2342C
Casas, M. T. See Paredes, N., 1036P
Cass, P.
—; Pratt, K.; Fairhall, K.; Laslett, B.; Rizzardo, E.: Active-Center Equilibrium in Ziegler-Natta Butadiene Polymerization, 2256C
—; Pratt, K.; Mann, T.; Laslett, B.; Rizzardo, E.: Replacement of Benzene with Regulators for the Catalyzed Polymerization of 1,3-Butadiene to High *cis*-1,4-Polybutadiene, 2244C
Castelvetro, V.
—; Montagnini di Mirabello, L.; Aglietto, M.; Passaglia, E.: Homo- and Copolymers of Hexafluoroisopropyl Methacrylate and α-Fluoroacrylate with Alkyl Vinyl Ethers: Microstructure and Thermal Properties, 32C
—; See Brustolin, F., 253C
Castiglia, S. R. V.
—; Fioretto, D.; Verdini, L.; Samios, D.: Network Formation Studied by Temperature Scanning Brillouin Scattering and Differential Scanning Calorimetry Techniques. II., 1326P
Çaykara, T.
—; Inam, R.; Özyürek, C.: Radiation Synthesis and Uranyl-Ion Adsorption of Poly(2-hydroxyethyl methacrylate/maleic acid) Hydrogels, 277C
Cebe, J. J. See Bhowmik, P. K., 2710C
Cendoya, I.
—; López, D.; Alegría, A.; Mijangos, C.: Dynamic Mechanical and Dielectrical Properties of Poly(vinyl alcohol) and Poly(vinyl alcohol)-Based Nanocomposites, 1968P
Centore, R. See Beltrani, T., 1162C
Cernohous, J. J. See Kharchenko, S. B., 2562P
Cerrada, M. L.
—; Benavente, R.; Pérez, E.; Pereña, J. M.: The Effect of Annealing on the Structure and Relaxation Processes of Vinyl Alcohol–Ethylene Copolymers, 1P
Červená, J. See Švorčík, V., 831P
Cesario, G. See Silvestre, C., 415P
Cha, S. Y.
—; Lee, J. K.; Lim, B. S.; Lee, T. S.; Park, W. H.: Conjugated Vinyl Derivatives of Chitooligosaccharide: Synthesis and Characterization, 880C
Chafin, A. P. See Hayden, L. M., 895P
Chakravorty, D. See Bhattacharyya, S., 1935P
Chakravorty, M. See Bhattacharyya, S., 1935P
Chalari, I.
—; Pispas, S.; Hadjichristidis, N.: Controlled Free-Radical Polymerization of 2-Vinylpyridine in the Presence of Nitroxides, 2889C
Chang, C.-C.
—; Chen, W.-C.: High-Refractive-Index Thin Films Prepared from Aminoalkoxysilane-Capped Pyromellitic Dianhydride–Titania Hybrid Materials, 3419C

Chang, F.-C. See Chen, H.-W., 2407P; Kuo, S. W., 1348P; Tseng, C.-R., 2097P
Chang, J.-H.
—; Park, D.-K.: Nanocomposites of Poly(ethylene terephthalate-*co*-ethylene naphthalate) with Organoclay, 2581P
—; Park, D.-K.; Ihn, K. J.: Montmorillonite-Based Nanocomposites of Polybenzoxazole: Synthesis and Characterization (I), 471P
Chang, J. Y.
—; Kim, B. J.; Park, C. R.; Han, M. J.; Kim, T. J.; Yun, H.: Synthesis and Polymerization Mechanism of Bisacetoacetamides, 1456C
Chang, K. See Aubrecht, K. B., 284C
Chang, Y.
—; Kim, C.: Synthesis and Photophysical Characterization of Amphiphilic Dendritic–Linear–Dendritic Block Copolymers, 918C
Chang, Z.
—; Laverne, J. A.: Dynamic Evolution of Gases in the γ- and Helium-Ion Radiolyses of Solid Polymers, 1449P
Charleux, B. See Carrot, G., 4294C
Charmot, D. See Plessis, C., 1106C
Chen, B. See Ma, H., 1817C
Chen, C.
—; Yang, Y.; Xi, F.: Synthesis and Asymmetric Polymerization of a Series of Methyl-Substituted Triphenylmethyl Methacrylate, 430C
Chen, C.-C. See Shen, G.-M., 2625C
Chen, C.-D. See Yang, C.-P., 775C
Chen, C.-F. See Zhao, Y.-L., 3960C
Chen, H. See Wu, Y. C., 2290P; Zhang, R., 2035P
Chen, H.-W.
—; Chang, F.-C.: Interaction Mechanism of a Novel Polymer Electrolyte Composed of Poly(acrylonitrile), Lithium Triflate, and Mineral Clay, 2407P
Chen, H. Y.
—; Chum, S. P.; Hiltner, A.; Baer, E.: Comparison of Semicrystalline Ethylene–Styrene and Ethylene–Octene Copolymers Based on Comonomer Content, 1578P
Chen, J.-J. See Liaw, D.-J., 1557C
Chen, J.-R. See Huang, C.-I., 2705P
Chen, M. D. See Yuan, J. C., 2027C
Chen, R.-S. See Yang, C.-P., 93C, 775C, 2591C
Chen, S.-H. See Yang, C.-P., 93C
Chen, T.-Y. See Sun, Y., 3073C
Chen, V. See Stenzel-Rosenbaum, M., 2777C
Chen, W. C.
—; Sauer, J. A.; Hara, M.: Ionic Poly(*p*-phenylene terephthalamide)s: Preparation and Characterization, 2653P
—; Sauer, J. A.; Hara, M.: Ionic Poly(*p*-phenylene terephthalamide)s: Solubility and Thermal Stability, 2888P
—; See Chang, C.-C., 3419C
Chen, W.-H. See Liaw, D.-J., 3498C
Chen, W.-Y. See Lin, Y., 2215C
Chen, X.
—; Jankova, K.; Kops, J.; Larsen, N. B.; Batsberg, W.; Johannsen, I.: Surface Modification of Polystyrene by Blending Substituted Styrene Copolymers, 1046P
—; See Ruckenstein, E., 389C
Chen, Y.
—; Lai, S.-P.: Synthesis and Optical and Electrochemical Properties of Novel Polyethers Containing Isolated Distyrylbenzene Derivatives and Side-Aromatic 1,3,4-Oxadiazole Chromophores, 2571C
—; See Hu, Z., 2168P; Olson, K., 2731C
Chen, Z.
—; Bao, H.; Liu, J.: Synthesis of a Well-Defined Epoxy Copolymer by Atom Transfer Radical Polymerization, 3726C
Chenery, D. H. See Atkin, N. J., 1471P
Cheng, S. Z. D. See Kim, G.-H., 3029P
Cheng, X. See Li, Z., 634P
Cheng, Y. See Zhang, C., 1741P
Cheng, Y.-B. See Habsuda, J., 1342C
Chern, C.-S.
—; Wu, L.-J.: Kinetics of the Microemulsion Polymerization of Styrene with Short-Chain Alcohols as the Cosurfactant, 898C
—; Wu, L.-J.: Microemulsion Polymerization of Styrene Stabilized by Sodium Dodecyl Sulfate and Short-Chain Alcohols, 3199C
Chiang, C.-L. See Ma, C.-C. M., 2436P
Chiang, L. Y. See Ma, C.-C. M., 2436P
Chien, J. C. W. See Rhodes, B., 313C
Chiga, K. See Sakai, W., 247P
Childs, R. F. See Pandey, A. K., 807C
Chin, W.-K. See Hsin, L.-P., 507P
Chiou, J.-H. See Hsiao, S.-H., 2262C, 2271C
Chisaka, S.
—; Norisuye, T.: Chain Dimensions and Transport Coefficients of Sodium Poly(isoprenesulfonate) in Aqueous Sodium Chloride, 2071P
Chiu, S.-C. See Wu, J., 224C
Chiu, W.-Y. See Don, T.-M., 1646C
Chiu, Y.-S. See Liu, Y. L., 1716C
Cho, J.
—; Park, M. S.; Choi, J. H.; Ji, B. C.; Han, S. S.; Lyoo, W. S.: Miscible Blends of Nitro-Substituted Polybenzimidazole and Polyetherimide, 1778P
Cho, J. W.
—; Woo, K. S.: Aging and Cold Crystallization of Melt-Extruded Poly(trimethylene terephthalate) Films, 1920P
Cho, K. See Lee, S.-S., 2635P
Cho, S. H. See Lee, T. B., 594P
Cho, T.-Y. See Song, H. H., 559P
Cho, W.-J. See Jang, G.-S., 1001P
Choe, C. R. See Lee, S.-S., 2430P, 2589P
Choe, S. See Lee, K., 218P
Choi, H. S.
—; Kim, I. H.; Bae, Y. C.: Swelling Behaviors of Sub-Micron-Sized Copolymer Gel Particles: The Effect of Physical Crosslinking, 1928P
Choi, J. H. See Cho, J., 1778P; Song, J. W., 1810C

Choi, K. H.
—; Lee, K. H.; Jung, J. C.: Synthesis of New Poly(amide imide)s with (*n*-Alkyloxy)-phenyloxy Side Branches, 3818C
Choi, S. H. See Thaweephan, P., 1605P
Choi, S.-S.
—; Filler-Polymer Interactions in Both Silica and Carbon Black-Filled Styrene-Butadiene Rubber Compounds, 439P
Choi, U. S. See Ko, Y. G., 3875C
Choi, W. See Steblyanko, A., 3967C
Chu, C.-C. See Lang, M., 4214C
Chu, J. See Xiang, C., 47P
Chua, S. J. See Ke, L., 1697P
Chujo, Y. See Kim, K.-M., 4035C; Marathe, S., 3593C; Naka, K., 4083C
Chum, S. P. See Chen, H. Y., 1578P
Chung, H.
—; Jang, W.; Hwang, J.; Han, H.: Analysis of Dimensionally Stable Copolyimide with a Low-Level Residual Stress, 796P
Chung, T.-S. See He, C., 1242C; Lin, Y., 2215C; Xu, J., 2998C; Zhao, L., 1288C
Ciardelli, F. See Altomare, A., 2957C; Brustolin, F., 253C
Clough, A. S. See Hutchings, L. R., 2351P
Cloutet, E. See Greenberg, C. C., 2549P
Coffin, D. W. See Habeger, C. C., 2048P
Cogan, U. See Livney, Y. D., 2740P
Cohen, Y. See Livney, Y. D., 2740P; Ramon, O., 1665P
Coleman, B. See Xiang, C., 47P
Coleman, M. M. See Pruthtikul, R., 1651P
Collard, D. M. See Polyakova, A., 1900P
Colligiani, A. See Brustolin, F., 253C
Compañ, V. See García, F., 286P
Concilio, S. See Beltrani, T., 1162C
Connor, D. M. See Polyakova, A., 1900P
Cook, R. F. See Dean, J. M., 2996P
Coqueret, X. See Gogibus, N., 581P
Cornelissen, J. J. L. M.
—; Graswinckel, W. S.; Adams, P. J. H. M.; Nachtegaal, G. H.; Kentgens, A. P. M.; Sommerdijk, N. A. J. M.; Nolte, R. J. M.: Synthesis and Characterization of Polyisocyanides Derived from Alanine and Glycine Dipeptides, 4255C
Corona-Galvan, S. See Greenberg, C. C., 2549P
Coskun, M. See Erol, I., 4167C
Coşkun, M. See İlter, Z., 2326C
Cotts, P. M. See Gridnev, A. A., 1099C
Couffin-Hoarau, A.-C.
—; Boustta, M.; Vert, M.: Enlarging the Library of Poly(L-lysine citramide) Polyelectrolytic Drug Carriers, 3475C
Coughlin, E. B. See Zheng, L., 2920C
Cramer, N. B.
—; Bowman, C. N.: Kinetics of Thiol–Ene and Thiol–Acrylate Photopolymerizations with Real-Time Fourier Transform Infrared, 3311C
Cramer, S. E.
—; Quijada-Garrido, I.; Ulrich, R.; Barrales-Rienda, J. M.; Spiess, H. W.: Dynamic Mechanical and Dielectric Properties of ORMOCER® Incorporating Functionalized Poly(styrene) Latexes, 860P
Creed, D.
—; Hoyle, C. E.; Jin, L.; Peeler, A. M.; Subramanian, P.; Krishnan, V.: Triplet-Sensitized Irradiation of a Main-Chain Liquid Crystalline Poly(aryl cinnamate) in Three Different Phases, 134C
Cresidio, S. P.
—; Aldabbagh, F.; Busfield, W. K.; Jenkins, I. D.; Thang, S. H.; Zayas-Holdsworth, C.; Zetterlund, P. B.: Alkoxyamine-Mediated "Living" Radical Polymerization: MS Investigation of the Early Stages of Styrene Polymerization Initiated by Cumyl-TEISO, 1232C
Crini, G. See Martel, B., 169C
Crist, B.
—; Small-Angle X-Ray Scattering and Polymer Melting: A Model Study, 2454P
Crivello, J. V.
—; Ortiz, R. A.: Design and Synthesis of Highly Reactive Photopolymerizable Epoxy Monomers, 2385C
—; Ortiz, R. A.: Synthesis of Epoxy Monomers That Undergo Synergistic Photopolymerization by a Radical-Induced Cationic Mechanism, 3578C
—; Sangermano, M.: Visible and Long-Wavelength Photoinitiated Cationic Polymerization, 343C
—; See Gomurashvili, Z., 1187C
Cruz, G. J. See Olayo, M. G., 175P
Cunningham, M. F. See Ma, J. W., 1081C

Dabral, M.
—; Xia, X.; Gerberich, W. W.; Francis, L. F.; Scriven, L. E.: Near-Surface Structure Formation in Chemically Imidized Polyimide Films, 1824P
Dai, Y. See Guiver, M. D., 675C
Dalnoki-Veress, K.
—; Forrest, J. A.; Massa, M. V.; Pratt, A.; Williams, A.: Crystal Growth Rate in Ultrathin Films of Poly(ethylene oxide), 2615P
—; See Forrest, J. A., 2664P
Damiani, D. E. See Ferreira, M. L., 2005C
Dang, T. D. See Song, H. H., 559P
Das, P. K.
—; Lee, J.-K.; Belfiore, L. A.: Transition-Metal Compatibilization of Poly(4-bromostyrene) and Polybutadiene via Palladium(0) Catalyzed Reactions, 677P
David, G.
—; Robin, J.-J.; Boutevin, B.: Synthesis of Carboxy-Telechelic Oligostyrene by Dead-End Polymerization: Evaluation of Primary Radical Termination by Kinetic Study and Kinetic Simulation Model, 2740C
Davis, T. P.
—; The Mechanism of Propagation in Free-Radical Copolymerization, 597C

—; See Barner-Kowollik, C., 656C, 1353C; Stenzel-Rosenbaum, M., 2777C; Tanaka, K., 3902C
De Abajo, J. See Espeso, J. F., 475C
de Abajo, J. See García, J. M., 1825C
Dean, J. M.
—; Lipic, P. M.; Grubbs, R. B.; Cook, R. F.; Bates, F. S.: Micellar Structure and Mechanical Properties of Block Copolymer-Modified Epoxies, 2996P
DeAzevedo, E. R. See Bonagamba, T. J., 2444P
De-Cheng, W. See Cai-Yuan, P., 3062C
De Groote, Ph.
—; Jonas, A. M.; Devaux, J.; Godard, P.: Melt Properties and Crystal Morphology of Polydodecamide Plasticized by Benzenesulfonamides, 2022P
De Ilarduya, A. M. See Kint, D. P. R., 1553P
Deimede, V.
—; Kallitsis, J. K.; Pakula, T.: Synthesis and Properties of Amorphous Blue-Light-Emitting Polymers with High Glass-Transition Temperatures, 3168C
De La Cal, J. C.
—; Asua, J. M.: Modeling Emulsion Polymerization Stabilized by Polymerizable Surfactants, 585C
de la Campa, J. G. See Espeso, J. F., 475C; García, J. M., 1825C
De La Fuente, J. L.
—; Fernández-García, M.; Fernández-Sanz, M.; Madruga, E. L.: Synthesis of Poly(methyl methacrylate) in a Pyridine Solution by Atom Transfer Radical Polymerization, 3443C
de la Peña, J. L. See García, F., 1843C
Deleuze, H. See Mercier, A., 956P
Delgado, J. J. See García, F., 1843C
Demes, C. See Warwel, S., 1601C
Denchev, Z.
—; Nogales, A.; Šics, I.; Ezquerra, T. A.; Baltá-Calleja, F. J.: Probing Multiple Melting Behaviors in Poly(ethylene naphthalene 2,6-dicarboxylate) with Different Thermal Histories by Simultaneous Wide-Angle and Small-Angle X-Ray Scattering, 881P
Deng, J.-P.
—; Yang, W.-T.: Self-Initiating Performance of Maleic Anhydride on Surface Photografting Polymerization, 3246C
Deng, X. See Li, Z., 3428C
Deng, Y. See Yan, Z., 1031C
Depaquis, E. See Haddleton, D. M., 2378C
Depecker, C. See Penel-Pierron, L., 484P, 1224P
De Queiroz, A. A. A.
—; Soares, D. A. W.; Trzesniak, P.; Abraham, G. A.: Resistive-Type Humidity Sensors Based on PVP-Co and PVP-I_2 Complexes, 459P
DeSimone, J. M. See Royer, J. R., 3055P
Desimone, J. M. See Ye, W., 3841C
Despond, S.
—; Espuche, E.; Domard, A.: Water Sorption and Permeation in Chitosan Films: Relation between Gas Permeability and Relative Humidity, 3114P
Devassine, M. See Martel, B., 169C
Devaux, J. See De Groote, Ph., 2022P
Dhamodharan, R. See Raja, S., 1203C
Dhoot, S. N.
—; Freeman, B. D.; Stewart, M. E.; Hill, A. J.: Sorption and Transport of Linear Alkane Hydrocarbons in Biaxially Oriented Polyethylene Terephthalate, 1160P
Diamanti, S. See Carrot, G., 4294C
Díaz-Calleja, R. See García, F., 286P
Dickson, J. M. See Pandey, A. K., 807C
Diggins, D. R. See Habsuda, J., 1342C
Di Lorenzo, M. L.
—; Pyda, M.; Wunderlich, B.: Calorimetry of Nanophase-Separated Poly(oligoamide-*alt*-oligoether)s, 1594P
—; Pyda, M.; Wunderlich, B.: Reversible Melting in Nanophase-Separated Poly(oligoamide-*alt*-oligoether)s and Its Dependence on Sequence Length, Crystal Perfection, and Molecular Mobility, 2969P
—; See Pyda, M., 1565P
Dimonie, V. L. See Budhlall, B. M., 3633C
Di Pace, E. See Silvestre, C., 415P
Di Stefano, F. See Liu, R., 1495C
Dohmaru, T. See Kanai, T., 1085P
Doi, Y. See Furuhashi, Y., 2622P
Domard, A. See Despond, S., 3114P
Don, T.-M.
—; Hsu, S.-C.; Chiu, W.-Y.: Structures and Thermal Properties of Chitosan-Modified Poly(methyl methacrylate), 1646C
Dong, C.-M.
—; Qiu, K.-Y.; Gu, Z.-W.; Feng, X.-D.: Living Polymerization of D,L-3-Methylglycolide Initiated with Bimetallic (Al/Zn) μ-Oxo Alkoxide and Copolymers Thereof, 357C
Douglas, J. F. See Smith, A. P., 2141P
Drickamer, H. G. See Zhu, A., 2859C
Drozdov, A. D.
—; A Model for Structural Relaxation in Amorphous Glassy Polymers Based on the Aggregation–Fragmentation Theory, 1312P
Duan, W. See Li, X.-G., 3989C
Dubé, M. A. See Hua, H., 1860C
Dubois, Ph. See Barakat, I., 294C; Zune, C., 1774C
Duggal, A. See Mishra, M., 947C
Dworak, A. See Kaluzynski, K., 955C
Dzhabieva, Z. M. See Panin, A. N., 1915C

Eason, M. D. See Haddleton, D. M., 2378C
Ebara, M.
—; Aoyagi, T.; Sakai, K.; Okano, T.: The Incorporation of Carboxylate Groups into Temperature-Responsive Poly(*N*-isopropylacrylamide)-Based Hydrogels Promotes Rapid Gel Shrinking, 335C

Echeverría, I. See Peterson, S. C., 2860P
Efremov, M. Yu. See Kwan, A. T., 1237P
Einfeldt, J. See Meißner, D., 2491P
Einfeldt, L. See Meißner, D., 2491P
Einzmann, M.
—; Binder, W. H.: Novel Functional Initiators for Oxazoline Polymerization, 2821C
Ek, M. See Annby, U., 613C
Ekholm, P.
—; Lehmus, P.; Kokko, E.; Haukka, M.; Seppälä, J. V.; Wilén, C.-E.: Synthesis and Characterization of a Silyl Substituted Bis(Indenyl) Zirconium Dichloride and Comparison of Its Olefin Polymerization Behavior to a Siloxy Substituted Analogue, 127C
Ekizoglou, N.
—; Hadjichristidis, N.: Benzyl Potassium: An Efficient One-Pot Initiator for the Synthesis of Block Co- and Terpolymers of Ethylenoxide, 1198C
El-Aasser, M. S. See Budhlall, B. M., 3633C; Wang, X., 3093C
Emran, S. K.
—; Liu, Y.; Newkome, G. R.; Harmon, J. P.: Viscoelastic Properties and Phase Behavior of 12-*tert*-Butyl Ester Dendrimer/Poly(methyl methacrylate) Blends, 1381P
Encinas, M. V. See Villegas, L., 4074C
Endo, K.
—; Hatakeyama, N.: Stereospecific and Molecular Weight-Controlled Polymerization of 1,3-Butadiene with $Co(acac)_3$-MAO Catalyst, 2793C
—; Shiroi, T.; Murata, K.: Controlled Radical Polymerization of Styrene in the Presence of Cyclic 1,2-Disulfides, 145C
Endo, R.
—; Kanamoto, T.: Superdrawing of Polytetrafluoroethylene Virgin Powder above the Static Melting Temperature, 1995P
Endo, S. See Kimura, T., 1942P
Endo, T. See Gao, X., 453C, 800C; Kameshima, H., 3143C; Kim, M. S., 3365C, 3832C; Kudo, H., 23C; Miyagawa, T., 1629C; Moriya, O., 1C; Nagai, D., 2078C; Nemoto, N., 1305C; Ochiai, B., 1016C; Sanda, F., 265C, 732C, 3159C; Shimomura, O., 868C, 3928C; Steblyanko, A., 3967C; Sudo, A., 1596C, 2093C, 3789C; Taguchi, M., 495C; Tomita, H., 162C, 851C, 860C, 3678C, 4091C; Xin, Z., 2620C; Yamamoto, S.-I., 1564C
Endo, Y.
—; Kawaguchi, M.; Kato, T.: Synthesis of Methacrylic Copolymers with Nona-1-butoxy Trititanosiloxane as Side Groups and Its Application as a Thermosetting Resin, 1090C
Erdogmus, A. See Tunca, U., 2993C
Erol, I.
—; Ilter, Z.; Coskun, M.; Ahmedzade, M.: Synthesis and Characterization of Two New Aryl Cyclobutyl Ketoethyl Methacrylate Monomers and Their Polymers, 4167C
—; See Ilter, Z., 2326C
Esnouf, S. See Aymes-Chodur, C., 1437P
Espeso, J. F.
—; Ferrero, E.; De La Campa, J. G.; Lozano, A. E.; De Abajo, J.: Synthesis and Characterization of New Soluble Aromatic Polyamides Derived from 1,4-Bis(4-carboxyphenoxy)-2,5-di-*tert*-butylbenzene, 475C
Espinosa, M. A.
—; Cádiz, V.; Galià, M.: New Cholesteric Liquid-Crystal Epoxy Resins Derived from 6-Hydroxy-2-naphthoic Acid, 2847C
Espuche, E. See Despond, S., 3114P
Evans, R. A.
—; Rizzardo, E.: Free Radical Ring-Opening Polymerization of Cyclic Allylic Sulfides: Liquid Monomers with Low Polymerization Volume Shrinkage, 202C
Ewen, B. See Gogibus, N., 581P
Ezquerra, T. A. See Denchev, Z., 881P
Fabbroni, E. F.
—; Shull, K. R.; Hersam, M. C.: Adhesive and Mechanical Properties of Soft Nanocomposites: Model Studies with Blended Latex Films, 3090P
Fairhall, K. See Cass, P., 2256C
Fan, Y.
—; Kobayashi, M.; Kise, H.: Synthesis and Specific Biodegradation of Novel Polyesteramides Containing Amino Acid Residues, 1318C
Fan, Z.-Q. See Xu, J.-T., 3294C
Fane, A. G. See Stenzel-Rosenbaum, M., 2777C
Farris, R. J. See Zheng, L., 2920C
Fazio, M. J. See Wolf, R. A., 1391C
Fellows, C. M. See Tanaka, K., 3902C
Feng, L.-X. See Xu, J.-T., 3294C
Feng, X.-D. See Dong, C.-M., 357C
Feng, X.-S.
—; Pan, C.-Y.: Synthesis and Characterization of Star Polymers Initiated by Hexafunctional Discotic Initiator through Atom Transfer Radical Polymerization, 2233C
Fernández-García, M. See De La Fuente, J. L., 3443C
Fernández-Monreal, C.
—; Martínez, G.; Sánchez-Chaves, M.; Madruga, E. L.: Solvent Effect on the Free-Radical Copolymerization of 2-Hydroxyethyl Methacrylate with *t*-Butyl Acrylate, 2043C
Fernández-Sanz, M. See De La Fuente, J. L., 3443C
Ferreira, M. L.
—; Galland, G. B.; Damiani, D. E.; Villar, M. A.: FTIR, ^{13}C NMR, and GPC Analysis of High-Propylene Content Co- and Terpolymers with Ethylene and Higher α-Olefins Synthesized with $EtInd_2ZrCl_2$/MAO, 2005C
—; See Villar, M. A., 1136C
Ferrero, E. See Espeso, J. F., 475C
Finlay, J.
—; Sheppard, S.; Tookey, S.; Hill, M. J.; Barham, P. J.: Unexpectedly High Young's Moduli Recorded for iPP/HDPE Blends, 1404P

Fioretto, D. See Castiglia, S. R. V., 1326P
Fischer, H. See Ananchenko, G. S., 3604C; Kothe, T., 4009C
Fischer, J. See Andjelić, S., 153P, 3073P
Flichy, N. M. B.
—; Kazarian, S. G.; Lawrence, C. J.; Briscoe, B. J.: Indentation of Poly(methyl methacrylate) under High-Pressure Gases, 3020P
Focarete, M. L.
—; Scandola, M.; Kumar, A.; Gross, R. A.: Physical Characterization of Poly(ω-pentadecalactone) Synthesized by Lipase-Catalyzed Ring-Opening Polymerization, 1721P
Foley, S. See Guiver, M. D., 2103C
Fond, C.
—; Cavitation Criterion for Rubber Materials: A Review of Void-Growth Models, 2081P
Forcada, J. See Gibanel, S., 2767C; Miraballes-Martínez, I., 2929C
Ford, W. T. See Kreider, J. L., 821C; Pilcher, S. C., 519C, 525C
Fornes, R. E. See Sloop, C. C., 531P
Forrest, J. A.
—; Dalnoki-Veress, K.: Sub-Glass-Transition Temperature Interface Formation Between an Immiscible Glass Rubber Pair, 2664P
—; See Dalnoki-Veress, K., 2615P
Foster, M. D. See Greenberg, C. C., 2549P
Francis, L. F. See Dabral, M., 1824P
Fréchet, J. M. See Andronov, A., 1366C
Fredrickson, G. H. See Benkoski, J. J., 2363P
Freeman, B. D. See Dhoot, S. N., 1160P
Fregonese, D. See Mortara, S., 4243C
Freischmidt, H. M.
—; Shanks, R. A.; Moad, G.; Uhlherr, A.: Characterization of Polyolefin Melts Using the Polymer Reference Interaction Site Model Integral Equation Theory with a Single-Site United Atom Model, 1803P
Frey, H. See Müh, E., 4274C
Friedel, P. See Kunert, C., 1280C
Froussios, C. See Hatziyiannakou, A., 1180C
Fu, B. X.
—; Yang, L.; Somani, R. H.; Zong, S. X.; Hsiao, B. S.; Phillips, S.; Blanski, R.; Ruth, P.: Crystallization Studies of Isotactic Polypropylene Containing Nanostructured Polyhedral Oligomeric Silsesquioxane Molecules under Quiescent and Shear Conditions, 2727P
Fu, J.
—; Wu, C.: Laser Light Scattering Study of the Degradation of Poly(sebacic anhydride) Nanoparticles, 703P
Fu, S. See Yang, W., 555C
Fujihara, K. See Kura, H., 2937P
Fujii, K. See Jikei, M., 3304C
Fujii, S.
—; Sasaki, N.; Nakata, M.: Rheological Studies on the Phase Separation of Hydroxypropylcellulose Solution Systems, 1976P
Fujita, K. See Sakai, H., 1005C
Fujiwara, T.
—; Iwata, T.; Kimura, Y.: Highly Stabilized Nanostructures from Poly(L-lactide)-*block*-poly(oxyethylene) Having a Photoreactive End Functionality, 4249C
Fujiyama, T. See Sanda, F., 732C
Fukuda, M. See Ichikawa, K., 2175P
Fukuda, T. See Yamada, K., 459C
Fukui, S. See Uedono, A., 835P
Fukukawa, K.-I. See Hayakawa, T., 2287C
Fukushima, T.
—; Hosokawa, K.; Oyama, T.; Iijima, T.; Tomoi, M.; Itatani, H.: Synthesis and Positive-Imaging Photosensitivity of Soluble Polyimides Having Pendant Carboxyl Groups, 934C
—; Oyama, T.; Iijima, T.; Tomoi, M.; Itatani, H.: New Concept of Positive Photosensitive Polyimide: Reaction Development Patterning (RDP), 3451C
Fukushima, Y.
—; Association of Poly(ethylene glycol) Modified with Peptide Strands with a High Propensity to Form a β-Sheet Conformation, 742C
Fung, B. M. See Tan, C., 915P
Furo, M. See Tanaka, K., 1382C
Furtado, C. A.
—; Porto, A. O.; Silva, G. G.; Silva, R. A.; Pimenta, M. A.; Martins-Avles, M. C.; Schilling, P. J.: Cation Environment in Polyether Complexes Based on Poly(tetramethylene glycol) Doped with Zinc and Cobalt Chlorides, 2572P
Furuhashi, Y.
—; Sikorski, P.; Atkins, E.; Iwata, T.; Doi, Y.: Structure and Morphology of the Aliphatic Polyester Poly(δ-valerolactone) in Solution-Grown, Chain-Folded Lamellar Crystals, 2622P
Furukawa, S. See Kanai, T., 1085P
Furukawa, T. See Nakamura, K., 1371P

Gal, Y.-S.
—; Jin, S.-H.; Park, J.-W.; Lee, W.-C.; Lee, H.-S.; Kim, S.-Y.: Cyclopolymerization of Dipropargylfluorene by Transition-Metal Catalysts, 4101C
—; Lee, W.-C.; Kim, S.-Y.; Park, J.-W.; Jin, S.-H.; Koh, K.-N.; Kim, S.-H.: Synthesis and Properties of Poly-(2-ethynylpyridinium bromide) Having Propargyl Side Chains, 3151C
—; See Jin, S.-H., 4025C
Galay, J.
—; Cakmak, M.: Online Monitoring of Birefringence Development in Heat-Setting Polymer Films with a Fast Dual-Wavelength Optical Technique. I. Uniaxially Oriented Poly(ethylene naphthalate), 1107P
—; Cakmak, M.: Online Monitoring of Birefringence Development in Heat-Setting Polymer Films with a Fast Dual-Wavelength Optical Technique. II. Uniaxially Oriented PEN/PEI Films, 1147P
Gale, R. See Gelfer, M. Y., 2774P

Galià, M. See Espinosa, M. A., 2847C
Galisteo-González, F. See Miraballes-Martínez, I., 2929C
Galland, G. B. See Ferreira, M. L., 2005C
Gallego, J.
—; Pérez-Foullerat, D.; Mendicuti, F.; Mattice, W. L.: Configurations Conducive to the Formation of Intramolecular Excimers in Poly(*N*-vinyl carbazole) and Its Copolymers, 1272P
Gallot, B. See Altomare, A., 2957C
Gällstedt, M.
—; Törnqvist, J.; Hedenqvist, M. S.: Properties of Nitrocellulose-Coated and Polyethylene-Laminated Chitosan and Whey Films, 985P
Gan, L.-M. See Xu, X.-J., 1634C
Gao, H. See Qi, C., 332P
Gao, X.
—; Sudo, A.; Endo, T.: Synthesis of an Aprotic Polar Polymer with Tetrahydrofuran Moiety: Copolymer Composition Control in Radical Copolymerization with Styrene Using Suspension System, 453C
—; Sudo, A.; Nakamura, Y.; Endo, T.: Functional Polymers with Cyclic Ether Moieties. II. Synthesis and Properties of Network Polymers with Tetrahydrofuran Moiety, 800C
Garay, M. T. See Vilas, J. L., 146P
Garbarczyk, M.
—; Grinberg, F.; Nestle, N.; Kuhn, W.: A Novel Approach to the Determination of the Crosslink Density in Rubber Materials with the Dipolar Correlation Effect in Low Magnetic Fields, 2207P
Garbini, J. L. See Holl, M. R., 868P
García-Bernabé, A. See García, F., 286P
García, F.
—; de la Peña, J. L.; Delgado, J. J.; García, N.; Guzmán, J.; Riande, E.; Calle, P.: Synthesis and Kinetics of Polymerization of Hydrophilic Monomers: 2,3-Dihydroxypropylacrylate and 2,3-Dihydroxypropylmethacrylate, 1843C
—; García-Bernabé, A.; Compañ, V.; Díaz-Calleja, R.; Guzmán, J.; Riande, E.: Relaxation Behavior of Acrylate and Methacrylate Polymers Containing Dioxacyclopentane Rings in the Side Chains, 286P
—; See García, J. M., 1825C
García, J. M.
—; García, F.; Sanz, R.; de la Campa, J. G.; Lozano, A. E.; de Abajo, J.: Synthesis and Characterization of New Soluble Polyamides Derived from 2,6-Bis(4-aminophenyl)-3,5-dimethyltetrahydro-4H-pyran-4-one, 1825C
García, N. See García, F., 1843C
Garetz, B. A. See Kim, W. G., 2231P
Gavelin, P.
—; Jannasch, P.; Wesslén, B.: Amphiphilic Polymer Gel Electrolytes. I. Preparation of Gels Based on Poly(ethylene oxide) Graft Copolymers Containing Different Ionophobic Groups, 2223C
—; Ostrovskii, D.; Adebahr, J.; Jannasch, P.; Wesslen, B.: Amphiphilic Polymer Gel Electrolytes. II. Influence of the Ethylene Oxide Side-Chain Length on the Gel Properties, 1519P
Gebel, G. See Rollet, A.-L., 548P
Geerts, Y. See Nomura, K., 2463C
Geil, P. H. See Kwan, A. T., 1237P
Gelfer, M. Y.
—; Waddon, A.; Schmidt-Rohr, K.; Gale, R.; Kleiner, L.; Berggren, R.: Annealing-Induced Increase of Permeability and Amorphous-Phase Mobility in an Ethylene–Vinylacetate Copolymer, 2774P
Geng, X. See Zhu, L., 2461P
Geng, Y. See Li, H., 3278C
Gent, A. N.
—; Zhang, L.-Q.: Strain-Induced Crystallization and Strength of Elastomers. I. *cis*-1,4-Polybutadiene, 811P
George, J. See Sreekala, M. S., 1215P
Georges, M. K. See Ma, J. W., 1081C
Gerberich, W. W. See Dabral, M., 1824P
Germain, Y. See Malveau, C., 2781P
Gerritsen, M. See Kros, A., 468C
Ghim, H. D. See Song, J. W., 1810C
Ghosh, K.
—; Muthukumar, M.: Scattering Properties of a Single Semiflexible Polyelectrolyte, 2644P
Ghosh, S.
—; Banthia, A. K.: Photoswitchable Architectural Polymer: Toward Azo-Based Polyamidoamine Side-Chain Dendritic Polyester, 4182C
Ghosh, S. K. See Kuo, P.-L., 3018C
Gibanel, S.
—; Heroguez, V.; Forcada, J.: Surfactant Characteristics of Polystyrene/Poly(ethylene oxide) Macromonomers in Aqueous Solution and on Polystyrene Latex Particles: Two-Step Emulsion Polymerizations, 2767C
Gibson, H. W.
—; Bryant, W. S.; Lee, S.-H.: Polyrotaxanes by Free-Radical Polymerization of Acrylate and Methacrylate Monomers in the Presence of a Crown Ether, 1978C
Gilbert, R. D. See Sloop, C. C., 531P
Gilbert, R. G. See Tanaka, K., 3902C
Gillmor, J. R. See Greener, J., 1957P
Giotto, M.
—; Azar, D.; Gosselin, J.; Inglefield, P. T.; Jones, A. A.: An NMR Study of Mobility in a Crystalline Side-Chain Comblike Polymer, 1548P
Gnanarajan, T. P. See Iyer, N. P., 4236C
Godard, P. See De Groote, Ph., 2022P
Gogibus, N.
—; Maschke, U.; Benmouna, F.; Ewen, B.; Coqueret, X.; Benmouna, M.: Phase Diagrams of Poly(dimethylsiloxane) and 5CB Blends, 581P
Goh, S. H. See Li, X.-D., 1815P
Gohy, J.-F. See Mahltig, B., 709P

Gomurashvili, Z.
—; Crivello, J. V.: Phenothiazine Photosensitizers for Onium Salt Photoinitiated Cationic Polymerization, 1187C
Gosselin, J. See Giotto, M., 1548P
Goswami, K. See Bhattacharyya, S., 1935P
Grady, B. P.
—; Start, P. R.; Mauritz, K. A.: Effect of Sol-Gel Polymerization of Tetraethylorthosilicate on Internal Aggregate Structure in Zinc-Neutralized Ethylene-Methacrylic Acid Ionomers, 197P
Graillat, C. See Ouzineb, K., 2832C
Grandfils, Ch. See Barakat, I., 294C
Graswinckel, W. S. See Cornelissen, J. J. L. M., 4255C
Grebowicz, J. See Pyda, M., 1565P
Greenberg, C. C.
—; Foster, M. D.; Turner, C. M.; Corona-Galvan, S.; Cloutet, E.; Quirk, R. P.; Butler, P. D.; Hawker, C.: Effective Interaction Parameter between Branched and Linear Polystyrene, 2549P
Greener, J.
—; Gillmor, J. R.: Long-Term Growth of Core-Set Curl in Poly(ethylene terephthalate) Film, 1957P
Gridnev, A. A.
—; Cotts, P. M.; Roe, C.; Barth, H.: Characterization of a Series of Phenyl-Capped Vinyl-Terminated Oligomers of Styrene, 1099C
Grigull, S. See Assouline, E., 2016P
Grinberg, F. See Garbarczyk, M., 2207P
Grolier, J.-P. E. See Hilic, S., 2063P
Gross, R. A. See Focarete, M. L., 1721P
Grubbs, R. B. See Dean, J. M., 2996P
Gu, X. See Raghavan, D., 1460P
Gu, Y. See Möller, M., 3529C
Gu, Z.-W. See Dong, C.-M., 357C
Guan, Y.
—; Jiang, W.; Zhang, W.; Wan, G.; Peng, Y.: Polytetrahydrofuran Amphiphilic Networks. IV. Swelling Behavior of Poly(acrylic acid)-*I*-Polytetrahydrofuran and Poly(methacrylic acid)-*I*-Polytetrahydrofuran Networks, 1784P
Guha, S.
—; Ray, B.; Mandal, B. M.: Anomalous Solubility of Polyacrylamide Prepared by Dispersion (Precipitation) Polymerization in Aqueous *tert*-Butyl Alcohol, 3434C
Guida-Pietrasanta, F. See Andre, S., 2414C
Guiu, A.
—; Shanahan, M. E. R.: Adhesion of Grafted Polyethylene to an Ethylene/Vinyl Alcohol Copolymer, 2843P
Guiver, M. D.
—; Robertson, G. P.; Rowe, S.; Foley, S.; Kang, Y. S.; Park, H. C.; Won, J.; Thi, H. N. L.: Modified Polysulfones. IV. Synthesis and Characterization of Polymers with Silicon Substituents for a Comparative Study of Gas-Transport Properties, 2103C
—; Zhang, H.; Robertson, G. P.; Dai, Y.: Modified Polysulfones. III. Synthesis and Characterization of Polysulfone Aldehydes for Reactive Membrane Materials, 675C
Günter, P. See Beltrani, T., 1162C
Guo, Y.-M.
—; Pan, C.-Y.; Wang, J.: Block and Star Block Copolymers by Mechanism Transformation. VI. Synthesis and Characterization of A_4B_4 Miktoarm Star Copolymers Consisting of Polystyrene and Polytetrahydrofuran Prepared by Cationic Ring-Opening Polymerization and Atom Transfer Radical Polymerization, 2134C
—; Xu, J.; Pan, C.-Y.: Block and Star Block Copolymers by Mechanism Transformation. IV. Synthesis of S-$(PSt)_2(PDOP)_2$ Miktoarm Star Copolymers by Combination of ATRP and CROP, 437C
Gupta, D. C. See Gutch, P. K., 383C
Gupta, T.
—; Adhikari, B.: Chain-Extended, Hydroxyterminated-Polybutadiene-Based Polyurethaneureas: Synthesis, Reaction Kinetics, and Properties, 2978C
Gupta, V. K. See Williams, A. J., 2759P
Gutch, P. K.
—; Banerjee, S.; Gupta, D. C.; Jaiswal, D. K.: Poly-Schiff Bases. V. Synthesis and Characterization of Novel Soluble Fluorine-Containing Polyether Azomethines, 383C
Guzmán, J. See García, F., 1843C, 286P; Tiemblo, P., 786P

Ha, C.-S. See Jang, G.-S., 1001P; Park, S.-Y., 1472C
Haba, Y. See Segal, E., 611P
Habeger, C. C.
—; Coffin, D. W.; Hojjatie, B.: Influence of Humidity Cycling Parameters on the Moisture-Accelerated Creep of Polymeric Fibers, 2048P
Habsuda, J.
—; Simon, G. P.; Cheng, Y.-B.; Hewitt, D. G.; Toh, H.; Diggins, D. R.: Chemical Structure of Composites Derived from Poly(silicic acid) and 2-Hydroxyethyl-methacrylate, 1342C
Haddleton, D. M.
—; Depaquis, E.; Kelly, E. J.; Kukulj, D.; Morsley, S. R.; Bon, S. A. F.; Eason, M. D.; Steward, A. G.: Cobalt-Mediated Catalytic Chain-Transfer Polymerization (CCTP) in Water and Water/Alcohol Solution, 2378C
—; See Huan, K., 1833C; Ohno, K., 2206C; Perrier, S., 1696C
Hadjichristidis, N. See Chalari, I., 2889C; Ekizoglou, N., 1198C; Moschogianni, P., 650C; Pantazis, D., 2494C; Tsoukatos, T., 320C
Hahn, S. F. See Peterson, S. C., 2860P
Hajipour, A.-R. See Mallakpour, S. E., 177C
Hall, H. K., Jr.
—; Padias, A. B.: "Charge Transfer" Polymerization—and the Absence Thereof!, 2069C
—; See Shin, W.-S., 1886C
Halme, E. See Pavlyuchenko, V. N., 1435C
Hama, H. See Tashiro, K., 1296P

Hambir, S.
—; Bulakh, N.; Kodgire, P.; Kalgaonkar, R.; Jog, J. P.: PP/Clay Nanocomposites: A Study of Crystallization and Dynamic Mechanical Behavior, 446P
Hammond, P. T. See Anthamatten, M., 2671P
Han, C. C. See Jeon, H. S., 819P; Wang, Z.-G., 2982P
Han, C.-S. See Se, J., 669P
Han, H. See Bhowmik, P. K., 2710C; Chung, H., 796P; Se, J., 669P
Han, M.
—; Nikles, D. E.: Amine–Quinone Polyimides, 4044C
Han, M. J. See Chang, J. Y., 1456C
Han, S. S. See Cho, J., 1778P
Han, Y.-K.
—; Um, J. W.; Im, S. S.; Kim, B. C.: Synthesis and Characterization of High Molecular Weight Branched PBA, 2143C
—; See Lee, S.-H., 973C
Handa, Y. P.
—; Zhang, Z.; Roovers, J.: Compressed-Gas-Induced Crystallization in *tert*-Butyl Poly(ether ether ketone), 1505P
Hao, J.
—; Microemulsion Polymerization of Acrylamide and Styrene: Effect of the Structures of Reaction Media, 3320C
Harada, T.
—; Matsuoka, H.; Ikeda, T.; Yamaoka, H.: Comparison of USAXS Information with RMSA Prediction for the Effect of Added Salt on Colloidal Crystal Structure, 78P
Hara, M. See Chen, W. C., 2653P, 2888P
Harmon, J. P. See Emran, S. K., 1381P
Harris, F. W. See Klein, D. J., 2037C
Hasegawa, K. See Kanbara, T., 3739C
Hasegawa, M. See Takeichi, T., 3011P
Hasegawa, T. See Suzuki, A., 1629P
Hashimoto, K. See Aoshima, S., 746C; Shimura, Y., 3893C
Hatakeyama, N. See Endo, K., 2793C
Hattemer, E. See Serhatli, I. E., 1589C
Hatziyiannakou, A.
—; Froussios, C.: Highly Isotactic Polymethacrylates through Radical Polymerization of Methacrylate Esters of Some Ortho-bridged Triaryl Carbinols, 1180C
Haukka, M. See Ekholm, P., 127C; Liimatta, J. O., 1426C
Hawker, C. J. See Greenberg, C. C., 2549P; Hay, G., 1766P; Möller, M., 3529C
Hay, A. S. See Meng, Y. Z., 3218C; Miyatake, K., 1854C, 3211C, 3770C; Sugioka, T., 1040C, 1149C
Hay, G.
—; Mackay, M. E.; Hawker, C. J.: Thermodynamic Properties of Dendrimers Compared with Linear Polymers: General Observations, 1766P
Hayakawa, T.
—; Fukukawa, K.-I.; Morishima, M.; Takeuchi, K.; Asai, M.; Ando, S.; Ueda, M.: Formation of Regioregular Head-to-Tail Poly 3-(4-butylphenyl)-thiophene} by an Oxidative Coupling Polymerization with Vanadium Acetylacetonate, 2287C
—; See Okazaki, M., 78C
Hayashi, Y. See Kanai, T., 1085P
Hayden, L. M.
—; Kim, W.-K.; Chafin, A. P.; Lindsay, G. A.: Effect of Pressure and Temperature on Chromophore Reorientation in a New Syndioregic Main-Chain Hydrazone Nonlinear Optical Polymer, 895P
He, C.
—; Lu, Z.; Zhao, L.; Chung, T.-S.: Synthesis and Structure of Wholly Aromatic Liquid–Crystalline Polyesters Containing Meta- and Ortholinkages, 1242C
—; See Lin, Y., 2215C; Xu, J., 2998C; Zhao, L., 1288C
He, J. See Yang, H., 2607P
He, M.-H. See Hsiao, S.-H., 4014C; Xie, K., 2581C
He, Y.
—; Li, J.; Uyama, H.; Kobayashi, S.; Inoue, Y.: Hydrogen-Bonding Interaction and Miscibility between Poly(ε-caprolactone) and Enzymatically Polymerized Novel Polyphenols, 2898P
—; See Li, J., 2108P; Zhang, R., 2035P
Heberer, D. P. See Song, H. H., 559P
Hedenqvist, M. S. See Gällstedt, M., 985P
Hedrick, J. L. See Möller, M., 3529C
Heilmann, S. M.
—; Rasmussen, J. K.; Krepski, L. R.: Chemistry and Technology of 2-Alkenyl Azlactones, 3655C
Hein, M. See Kerres, J., 2874C
Hemery, P. See Lepoittevin, B., 2723C
Hendri, J.
—; Hiroki, A.; Oku, H.; Yoshida, M.; Katakai, R.: Volume Phase Transition of Methacryloyl-L-alanine Copolymer Hydrogels Controlled by the Terminal Groups in the Side Chains, 56C
Heredia, M. F. See Ouzineb, K., 2832C
Heroguez, V. See Gibanel, S., 2767C
Herrera-Ordóñez, J.
—; Olayo, R.: Methyl Methacrylate Emulsion Polymerization at Low Monomer Concentration: Kinetic Modeling of Nucleation, Particle Size Distribution, and Rate of Polymerization, 2547C
Hersam, M. C. See Fabbroni, E. F., 3090P
Heuts, J. P. A. See Barner-Kowollik, C., 656C
Hewitt, D. G. See Habsuda, J., 1342C
Higashi, F.
—; Mitani, K.: Effect of Association of Dicarboxylic Acids Activated by TsCl/DMF/Pyridine upon the Copolycondensation with Bisphenols, 196C
—; Shirai, T.; Mitani, K.; Sugishita, K.: Copolycondensations of Bisphenols with Aggregates of Isophthalic Acid and Terephthalic Acid Activated by Tosyl Chloride/Dimethylformamide/Pyridine in Different Manners, 3884C

—; Watabiki, M.; Kim, J.-H.: Promoted Random Orientation of the Phenyl Substituent of Phenylhydroquinone–Terephthalic Acid Polyesters Prepared with a Diphenyl Chlorophosphate/Pyridine Condensing Agent, 1726C

Higo, Y. See Ishiyama, C., 3103P

Hile, D. D.
—; Pishko, M. V.: Emulsion Copolymerization of D,L-Lactide and Glycolide in Supercritical Carbon Dioxide, 562C

Hilic, S.
—; Boyer, S. A. E.; Pádua, A. A. H.; Grolier, J.-P. E.: Simultaneous Measurement of the Solubility of Nitrogen and Carbon Dioxide in Polystyrene and of the Associated Polymer Swelling, 2063P

Hill, A. J. See Dhoot, S. N., 1160P; Shelby, M. D., 32P

Hill, M. J. See Finlay, J., 1404P

Hillmyer, M. A. See Aubrecht, K. B., 284C; Schmidt, S. C., 300P; Wang, Y., 2755C

Hiltner, A. See Chen, H. Y., 1578P; Polyakova, A., 1889P, 1900P, 1911P

Hirai, T. See Watanabe, M., 1061P

Hirako, Y. See Watanabe, M., 1061P

Hirano, T. See Sato, T., 1269C, 2196C, 4206C

Hirata, Y. See Kura, H., 2937P

Hirohata, K. See Kunisaki, T., 927C

Hiroki, A. See Hendri, J., 56C

Hitomi, M. See Sanda, F., 3159C

Hizal, G.
—; Bicak, N.; Tunca, U.: Preparation of AB-Type Diblock Copolymers Containing Poly-(2,6-dimethyl-1,4-phenylene oxide) and Methyl Methacrylate or Styrene Blocks, 2426C
—; See Tunca, U., 2993C; Şenkal, B. F., 2691C

Hlavatá, D.
—; Horák, Z.; Lednický, F.; Hromádková, J.; Pleska, A.; Zenevskii, Y. V.: Compatibilization Efficiency of Styrene-Butadiene Multiblock Copolymers in PS/PP Blends, 931P

Hnatowicz, V. See Švorčík, V., 831P

Ho, C.-H.
—; Yang, K.-N.; Lee, S.-N.: Mechanistic Study of Trans⇆Cis Isomerization of the Substituted Azobenzene Moiety Bound on a Liquid-Crystalline Polymer, 2296C

Ho, R.-M.
—; Hsieh, P.-Y.; Yang, C.-C.; Lin, J.-J.: Crystallization Kinetics for Low-Ether-Content Polyether–Polyester Block Copolymers with Amide Linkages, 2469P

Hocking, M. B.
—; Klimchuk, K. A.; Lowen, S.: Water-Soluble Acrylamide Copolymers. VIII. Preparation and Characterization of Polyacrylamide-*co*-*N*-*t*-butylacrylamide, 1960C
—; See Klimchuk, K. A., 2525C

Hodge, K.
—; Prodpran, T.; Shenogina, N. B.; Nazarenko, S.: Diffusion of Oxygen and Carbon Dioxide in Thermally Crystallized Syndiotactic Polystyrene, 2519P

Hogen-Esch, T. E. See Nossarev, G. G., 3034C; Tillman, E. S., 3121C; Xie, D., 1403C

Hohenadl, S. See Serhatli, I. E., 1589C

Hojjatie, B. See Habeger, C. C., 2048P

Holl, M. R.
—; Garbini, J. L.; Murray, W. R.; Kumar, V.: A Steady-State Mass Balance Model of the Polycarbonate-CO_2 System Reveals a Self-Regulating Cell Growth Mechanism in the Solid-State Microcellular Process, 868P

Hong, C.-Y.
—; You, Y.-Z.; Bai, R.-K.; Pan, C.-Y.; Borjihan, G.: Controlled Polymerization of Acrylic Acid under ^{60}Co Irradiation in the Presence of Dibenzyl Trithiocarbonate, 3934C

Hong, S. M.
—; Hwang, S. S.; Lee, J. Y.: The Effect of the Curing Agent Content on the Curing and Liquid-Crystalline Phase of Liquid-Crystalline Epoxy Resin, 374P

Hong, S. U.
—; Barbari, T. A.: Transport of Toluene/Methyl Ethyl Ketone Mixtures in Polyisobutylene, 908P

Hopkins, W. See Parent, J. S., 2019C

Horák, D.
—; Magnetic Polyglycidylmethacrylate Microspheres by Dispersion Polymerization, 3707C

Horák, Z. See Hlavatá, D., 931P

Horie, M. See Araki, O., 337P

Hosier, I. L.
—; Bassett, D. C.: Morphology and Crystallization Kinetics of Dilute Binary Blends of Two Monodisperse *n*-Alkanes with a Length Ratio of Two, 2874P

Hosokawa, K. See Fukushima, T., 934C

Hou, Z. See Sui, Y., 2189C

Hourston, D. J. See Song, M., 1659P

Houtz, M. D. See Tan, L.-S., 2539P

Hoyle, C. E.
—; Thames, S. F.; Mullen, L. R.; Schmidt, D. L.: Photoinitiated Polymerization of Aryl Cyclic Sulfonium Salts, 571C
—; See Creed, D., 134C

Hromádková, J. See Hlavatá, D., 931P

Hsiao, B. S. See Andjelić, S., 153P; Fu, B. X., 2727P; Wang, Z.-G., 1876P, 2982P

Hsiao, S.-H.
—; Chiou, J.-H.: Aromatic Poly(1,3,4-oxadiazole)s and Poly(amide-1,3,4-oxadiazole)s Containing Ether Sulfone Linkages, 2271C
—; Chiou, J.-H.: Aromatic Polybenzoxazoles Containing Ether-Sulfone Linkages, 2262C
—; He, M.-H.: Synthesis and Properties of Novel Cardo Aromatic Poly(ether-benzoxazole)s, 4014C
—; See Liou, G.-S., 1786C

Hsieh, A. J. See Xia, Z., 1394P

Hsieh, P.-Y. See Ho, R.-M., 2469P

Hsieh, Y.-L. See Xie, J., 1931C

Hsieh, Y.-T. See Kuo, P.-L., 3018C

Hsin, L.-P.
—; Chin, W.-K.: TSC Study and Electro-Optical Properties of

Epoxy/Acrylic Polymer-Dispersed Liquid-Crystal Film in DICY Thermal Cure, 507P
Hsiue, G. H.
—; Liu, Y. L.; Liao, H. H.: Flame-Retardant Epoxy Resins: An Approach from Organic–Inorganic Hybrid Nanocomposites, 986C
Hsu, J.-J. See Liaw, D.-J., 2951C
Hsu, P.-N. See Liaw, D.-J., 63C, 1156C, 1557C, 3498C
Hsu, S.-C. See Don, T.-M., 1646C
Hu, G.-H. See Li, H., 601P
Hu, J. See Yang, W., 555C
Hu, Y. See Qi, C., 332P
Hu, Z.
—; Wang, C.; Chen, Y.; Zhang, X.; Li, Y.: Spinodal Decomposition in *N*-Isopropylacrylamide Gel, 2168P
Hua, H.
—; Dubé, M. A.: Terpolymerization Monitoring with ATR-FTIR Spectroscopy, 1860C
Hua, R. See Li, H., 3278C
Huan, K.
—; Bes, L.; Haddleton, D. M.; Khoshdel, E.: Synthesis and Properties of Polydimethylsiloxane-Containing Block Copolymers via Living Radical Polymerization, 1833C
Huang, B. See Liu, C., 2085C
Huang, C.-C. See Capek, I., 101P
Huang, C. F. See Kuo, S. W., 1348P
Huang, C.-I.
—; Chen, J.-R.: Crystallization and Chain Conformation of Semicrystalline and Amorphous Polymer Blends Studied by Wide-Angle and Small-Angle Scattering, 2705P
Huang, C.-M. See Wu, Y. C., 2290P; Zhang, R., 2035P
Huang, H. See Zhou, Z. F., 486C
Huang, J. See Ma, H., 1817C; Sun, Y., 604C
Huang, J. W.-L. See Xia, Z., 1394P
Huang, L.
—; Nishinari, K.: Interaction Between Poly(ethylene glycol) and Water as Studied by Differential Scanning Calorimetry, 496P
Huang, M.-R. See Li, X.-G., 3989C
Huang, P.-T.
—; Kwei, T. K.; Pearce, E. M.; Levchik, S. V.: Blends of Nylon-6 with Phenol-Containing Polymers, 841C
Huang, Q.
—; Wu, Q.; Zhu, F.; Lin, S.: Synthesis and Characterization of High Molecular Weight Atactic Polybutene-1 with a Monotitanocene/Methylaluminoxane Catalyst System, 4068C
Huang, W. Q. See Xu, X. H., 589P
Huang, X. See Tong, J.-D., 239C
Hudson, S. M. See Jenkins, D. W., 4174C
Hui, C. Y.
—; Lin, Y. Y.; Baney, J. M.; Kramer, E. J.: The Mechanics of Contact and Adhesion of Periodically Rough Surfaces, 1195P
Hull, D. L.
—; Kennedy, J. P.: Synthesis, Characterization, and Crosslinking of Novel Stars Comprising Eight Poly(isobutylene-*azeotropic*-styrene) Copolymer Arms with Allyl or Hydroxyl Termini. II. Stars of Eight Isobutylene/Styrene Azeotropic Copolymer Arms Emanating from a Calix 8]arene Core, 1525C
—; Kennedy, J. P.: Synthesis, Characterization, and Crosslinking of Novel Stars Comprising Eight Poly(isobutylene-*azeotropic*-styrene) Copolymer Arms with Allyl or Hydroxyl Termini. I. Living Azeotropic Copolymerization of Isobutylene and Styrene, 1515C
Hung, K.-Y.
—; Tsiang, R. C.-C.: Preparing Organosoluble Aromatic Polyimides Based on 3,3′,5,5′-Tetrabromo-2,2-Bis 4-(4-aminophenoxy)phenyl}-propane and Aromatic Dianhydrides, 1662C
Hunkeler, D. See Jiang, C., 3780C
Hurd, J. A. See Abd-El-Aziz, A. S., 2716C
Hutchings, L. R.
—; Richards, R. W.; Thompson, R. L.; Clough, A. S.; Langridge, S.: Interface Development in Polycarbonate/Poly(methyl methacrylate) Bilayer Films, 2351P
Hwang, C.-Y. See Liaw, D.-J., 1156C, 1557C
Hwang, J. See Chung, H., 796P
Hwang, S. S. See Hong, S. M., 374P

Ichikawa, K.
—; Mori. T.; Kitano, H.; Fukuda, M.; Mochizuki, A.; Tanaka, M.: Fourier Transform Infrared Study on the Sorption of Water to Various Kinds of Polymer Thin Films, 2175P
Ihara, E. See Tanaka, K., 1382C
Ihn, K. J. See Chang, J.-H., 471P
Ii, T. See Zhou, S.-M., 1638P
Iijima, T. See Fukushima, T., 934C, 3451C
Ikeda, T. See Harada, T., 78P
İlter, Z.
—; Coşkun, M.; Erol, İ.: Copolymers of (2-Cyclohexylidene-1,3-dioxolane-4-yl) Methyl Methacrylate with Acrylonitrile and Styrene: Synthesis, Characterization, and Monomer Reactivity Ratios, 2326C
—; See Erol, I., 4167C
Imaizumi, K.
—; Ono, T.; Natori, I.; Sakurai, S.; Takeda, K.: Microphase-Separated Structure of 1,3-Cyclohexadiene/Butadiene Triblock Copolymers and Its Effect on Mechanical and Thermal Properties, 13P
Imamura, A. See Kim, J.-T., 2677C
Imanishi, Y. See Nomura, K., 2463C
Im, S. S. See Han, Y.-K., 2143C
İnam, R. See Çaykara, T., 277C
Inglefield, P. T. See Giotto, M., 1548P
Inoki, M. See Kasashima, Y., 1877C
Inomata, K.
—; Kawasaki, S.; Kameyama, A.; Nishikubo, T.: Synthesis and Photochemical Properties of Novel Multifunctional Photopolymers with Both Pendant Epoxy Groups and Phenacyl Ester Groups, 530C
Inoue, T. See Osaki, K., 211P, 1704P; Tabtiang, A., 380P

Inoue, Y. See He, Y., 2898P; Li, J., 2108P
Irvin, J. A.
—; Schwendeman, I.; Lee, Y.; Abboud, K. A.; Reynolds, J. R.: Low-Oxidation-Potential Conducting Polymers Derived from 3,4-Ethylenedioxythiophene and Dialkoxybenzenes, 2164C
Isayev, A. I. See Shyu, G. D., 2252P
Ise, E. See Okubo, M., 3106C
Ishibashi, H. See Kanai, T., 1085P
Ishida, H.
—; Lee, Y.-H.: Study of Hydrogen Bonding and Thermal Properties of Polybenzoxazine and Poly-(ε-caprolactone) Blends, 736P
Ishikawa, J.-I. See Itoh, M., 2658C
Ishikawa, T. See Tsuboi, A., 1255P
Ishioka, M. See Zhang, C., 1741P
Ishiyama, C.
—; Asai, T.; Kobayashi, M.; Shimojo, M.; Higo, Y.: Fatigue Crack Propagation Mechanisms in Poly(methyl methacrylate) by *In Situ* Observation with a Scanning Laser Microscope, 3103P
Islam, M. T.
—; Archer, L. A.: Nonlinear Rheology of Highly Entangled Polymer Solutions in Start-up and Steady Shear Flow, 2275P
Isobe, Y.
—; Nakano, T.; Okamoto, Y.: Stereocontrol during the Free-Radical Polymerization of Methacrylates with Lewis Acids, 1463C
—; Onimura, K.; Tsutsumi, H.; Oishi, T.: Asymmetric Anionic Polymerization of *N*-1-Naphthylmaleimide with Chiral Ligand-Organometal Complexes in Toluene, 3556C
Itatani, H. See Fukushima, T., 934C, 3451C
Itoh, M.
—; Iwata, K.; Ishikawa, J.-I.; Sukawa, H.; Kimura, H.; Okita, K.: Various Silicon-Containing Polymers with Si(H)—C≡C Units, 2658C
Itoh, T.
—; Ohtake, S.; Mitsuda, Y.; Kubo, M.: Vapor Deposition Polymerization of Heteroatom-Bridged 2.2}Paracyclophanes: 1,9-Dithia 2.2]paracyclophane and 1,9-Dithia 2.2}-paracyclophane-1,1,9,9-tetroxide, 1892C
Iván, B. See Scherble, J., 1429P
Ivanchev, S. S. See Pavlyuchenko, V. N., 1435C
Iwase, Y.
—; Kondo, K.; Kamada, K.; Ohta, K.: Synthesis and Nonlinear Properties of Poly 1,4-bis(4-alkylpyridinium)butadiyne triflate}, 3686C
Iwata, K. See Itoh, M., 2658C
Iwata, T. See Fujiwara, T., 2622P, 4249C
Iyer, N. P.
—; Gnanarajan, T. P.; Radhakrishnan, G.: Catalysis of Poly(urethane imidine) Copolymer Formation from Amine-Blocked Isocyanate and Bisphthalide, 4236C
Izawa, C. See Nishikubo, T., 368C
Izumi, Y. See Seki, M., 2340P

Jain, R. K. See Arora, R. K., 515P
Jaiswal, D. K. See Gutch, P. K., 383C
Jamiolkowski, D. See Andjelić, S., 153P, 3073P
Jang, G.-S.
—; Cho, W.-J.; Ha, C.-S.: Crystallization Behavior of Polypropylene with or without Sodium Benzoate as a Nucleating Agent, 1001P
Jang, L. W.
—; Kang, C. M.; Lee, D. C.: A New Hybrid Nanocomposite Prepared by Emulsion Copolymerization of ABS in the Presence of Clay, 719P
Jang, W. See Chung, H., 796P
Jankova, K. See Chen, X., 1046P
Jannasch, P. See Gavelin, P., 2223C, 1519P
Jansen, J. A. See Kros, A., 468C
Jao, T.-C. See Zhou, C., 2642C
Järvelä, P. See Li, S., 1525P
Jayakannan, M.
—; Ramakrishnan, S.: Segmented Polyethylene Oxides: A New Class of Polyethers Prepared via Melt Transetherification, 1615C
Jayasuriya, A. C.
—; Schirokauer, A.; Scheinbeim, J. I.: Crystal-Structure Dependence of Electroactive Properties in Differently Prepared Poly(vinylidene fluoride/hexafluoropropylene) Copolymer Films, 2793P
Jean, Y. C. See Wu, Y. C., 2290P; Zhang, R., 2035P
Jégat, C.
—; Bois, A.; Camps, M.: Continuous Phase Viscosity Influence on Maximum Diameters of Poly(styrene-divinylbenzene) Beads Prepared by Suspension Polymerization, 201P
Jeng, R. J. See Liu, Y. L., 1716C
Jenkins, D. W.
—; Hudson, S. M.: Heterogeneous Chloroacetylation of Chitosan Powder in the Presence of Sodium Bicarbonate, 4174C
Jenkins, I. D. See Cresidio, S. P., 1232C
Jeong, K. U.
—; Jo, Y.-J.; Yoon, T.-H.: Synthesis and Characterization of Novel Polyimide from bis-(3-Aminophenyl)-4-(trifluoromethyl)phenyl Phosphine Oxide, 3335C
Jeon, H. S.
—; Kim, S.; Han, C. C.: Phase Separation Induced by Shear Quenching in Polymer Blends with a Diblock Copolymer, 819P
Jérôme, R. See Barakat, I., 294C; Mahltig, B., 709P; Zune, C., 1774C
Ji, B. C. See Cho, J., 1778P; Lyoo, W. S., 1263P
Jiang, C.
—; Shen, Y.; Zhu, S.; Hunkeler, D.: Gel Formation in Atom Transfer Radical Polymerization of 2-(*N*,*N*-Dimethylamino)ethyl Methacrylate and Ethylene Glycol Dimethacrylate, 3780C
Jiang, J. See Zhao, Y.-L., 3960C
Jiang, W. See Guan, Y., 1784P; Yuan, Q., 1855P
Jianjun, C. See Xinling, W., 2225P
Jiankun, L.
—; Yucai, K.; Zongneng, Q.; Xiao-Su, Y.: Study on Intercalation and Exfoliation Behavior of Organoclays in Epoxy Resin, 115P
Jikei, M.
—; Fujii, K.; Kakimoto, M.-A.: Copolymerization Behavior of

Direct Polycondensation of AB_2 and AB Monomers That Forms Hyperbranched Aromatic Polyamide Copolymers, 3304C
Jin, L. See Creed, D., 134C
Jin, S. See Kim, G.-H., 3029P
Jin, S.-H.
—; Kim, S.-H.; Gal, Y.-S.: Synthesis and Characterization of Novel Crosslinkable Polymers with a Nonlinear Optical Chromophore as a Pendant Group, 4025C
—; See Gal, Y.-S., 3151C, 4101C
Jing, X. See Li, H., 3278C
Jo, W. H. See Youk, J. H., 1337P
Jo, Y.-J. See Jeong, K. U., 3335C
Jog, J. P. See Hambir, S., 446P
Johannsen, I. See Chen, X., 1046P
Johnson, H. See Shobha, H. K., 2904C
Jokela, K.
—; Väänänen, A.; Torkkeli, M.; Starck, P.; Serimaa, R.; Löfgren, B.; Seppälä, J.: Differential Scanning Calorimetry, Small-Angle X-Ray Scattering, and Wide-Angle X-Ray Scattering on Homogeneous and Heterogeneous Ethylene-α-Copolymers, 1860P
Jonas, A. M. See De Groote, Ph., 2022P
Jones, A. A. See Giotto, M., 1548P
Jones, M.-C. See Ranger, M., 3861C
Joshi, V. See Sharma, A. C., 888C
Judeinstein, P.
—; Rault, J.; Alonso, B.; Sanchez, C.: Macroscopic–Microscopic Mechanical Relaxation Behavior of Hybrid Organic–Inorganic Materials, 645P
Jung, J. C. See Choi, K. H., 3818C; Park, J. H., 1800C; 3622C
Jungnickel, B.-J. See Benkhati, H., 2130P
Jutigny, M. See Penel-Pierron, L., 1224P

Kababya, S. See Sluszny, A., 8C
Kaga, H. See Narumi, A., 4061C
Kaim, A. See Megiel, E., 3761C
Kaito, A. See Tanigaki, N., 432P
Kakimoto, M.-A. See Jikei, M., 3304C
Kakuchi, T. See Narumi, A., 4061C
Kalgaonkar, R. See Hambir, S., 446P
Kallio, T. See Walsby, N., 3008C
Kallitsis, J. K. See Deimede, V., 3168C
Kaluzynski, K.
—; Pretula, J.; Lapienis, G.; Basko, M.; Bartczak, Z.; Dworak, A.; Penczek, S.: Dihydrophilic Block Copolymers with Ionic and Nonionic Blocks. I. Poly(ethylene oxide)-*b*-polyglycidol with $OP(O)(OH)_2$, COOH, or SO_3H Functions: Synthesis and Influence for $CaCO_3$ Crystallization, 955C
—; See Biedron, T., 3024C
Kamada, K. See Iwase, Y., 3686C
Kamasa, P. See Pyda, M., 1565P
Kameshima, H.
—; Nemoto, N.; Endo, T.: Synthesis and Properties of Fluorene-Based Fluorinated Polymers, 3143C
Kameyama, A.
—; Kimura, K.; Nishikubo, T.: Novel Solid-Phase Polymerization of Macrocyclic *S*-Aryl Thioesters, 951C
—; See Inomata, K., 530C; Kawashima, N., 1764C; Konno, Y., 2683C; Nishikubo, T., 368C, 1169C, 1481C
Kamigaito, M. See Katayama, H., 1249C, 1258C; Ouchi, M., 398C, 1060C, 1067C
Kaminsky, W. See Schwecke, C., 2805C
Kamiya, Y. See Tsuboi, A., 1255P
Kanai, T.
—; Ishibashi, H.; Hayashi, Y.; Oka, K.; Dohmaru, T.; Ogawa, T.; Furukawa, S.; West, R.: Anomalous Thermochromic Transition of Poly(di-*n*-octylsilane), 1085P
Kanamoto, T. See Endo, R., 1995P; Nakamura, K., 1371P
Kanaori, K. See Yamasaki, N., 3239C
Kanbara, T.
—; Kawai, Y.; Hasegawa, K.; Morita, H.; Yamamoto, T.: Preparation of Polythioamides from Dialdehydes and Diamines with Sulfur by the Willgerodt–Kindler Type Reaction, 3739C
Kang, C. M. See Jang, L. W., 719P
Kang, Y. S. See Guiver, M. D., 2103C
Kånge, R. See Möller, M., 3529C
Kannan, P. See Senthil, S., 2396C
Kannan, R. M. See Kharchenko, S. B., 2562P
Karim, A. See Smith, A. P., 2141P
Kasashima, Y.
—; Shinoda, K.; Matsushima, H.; Shitagaki, S.; Inoki, M.; Akutsu, F.; Shimura, T.; Tsuchiya, M.: Graft Copolymerization Induced by Thermal Reactions of the Binary Alkali Salts of Poly(carboxylic acid)–Brominated Carboxylic Acid in Bulk, 1877C
Kase, T. See Ban, H. T., 3733C
Katakai, R. See Hendri, J., 56C
Katayama, H.
—; Kamigaito, M.; Sawamoto, M.: MALDI-TOF-MS Analysis of Living Cationic Polymerization of Vinyl Ethers. III. Polymerization with $SnCl_4$ and $TiCl_4$ in the Absence of Additives, 1258C
—; Kamigaito, M.; Sawamoto, M.: MALDI-TOF-MS Analysis of Living Cationic Polymerization of Vinyl Ethers. II. Living Nature of Growing End and Side Reactions, 1249C
Kato, T. See Endo, Y., 1090C; Watanabe, M., 1061P
Katsumura, Y. See Shyichuk, A., 1656C
Kawabata, A. See Amari, T., 665C
Kawabe, M.
—; Murata, M.: Syndiospecific Living Polymerization of 4-Methylstyrene and Styrene with (Trimethyl)pentamethylcyclopentadienyl-titanium/Tris(pentafluorophenyl)-borane/Trioctylaluminum Catalytic System, 3692C
Kawada, T. See Suzuki, A., 1629P
Kawaguchi, M. See Endo, Y., 1090C
Kawai, K. See Kunisaki, T., 927C
Kawai, Y. See Kanbara, T., 3739C

Kawasaki, H. See Kimura, T., 1942P
Kawasaki, K. See Narumi, A., 4061C
Kawasaki, S. See Inomata, K., 530C
Kawashima, N.
—; Kameyama, A.; Nishikubo, T.; Nagai, T.: Synthesis and Photochemical Property of Polymers with Pendant Donor–Acceptor-Type Norbornadiene Moieties, 1764C
Kazarian, S. G. See Flichy, N. M. B., 3020P
Ke, L.
—; Lim, S. F.; Chua, S. J.: Organic Light-Emitting Device Dark Spot Growth Behavior Analysis by Diffusion Reaction Theory, 1697P
Kelly, E. J. See Haddleton, D. M., 2378C
Kennedy, J. P. See Hull, D. L., 1515C, 1525C; Pi, Z., 307C, 1675C
Kentgens, A. P. M. See Cornelissen, J. J. L. M., 4255C
Keoshkerian, B. See Ma, J. W., 1081C
Kerres, J.
—; Ullrich, A.; Hein, M.: Preparation and Characterization of Novel Basic Polysulfone Polymers, 2874C
Kesselman, E. See Livney, Y. D., 2740P; Ramon, O., 1665P
Khan, S. A. See Royer, J. R., 3055P
Kharchenko, S. B.
—; Kannan, R. M.; Cernohous, J. J.; Venkataramani, S.; Babu, G. N.: Unusual Contributions of Molecular Architecture to Rheology and Flow Birefringence in Hyperbranched Polystyrene Melts, 2562P
Khoshdel, E. See Huan, K., 1833C
Kihara, Y. See Sakai, H., 1005C
Kim, B. See Lee, K., 218P
Kim, B. C. See Han, Y.-K., 2143C; Oh, S. J., 1027P
Kim, B. J. See Chang, J. Y., 1456C
Kim, C.
—; Kim, H.: End-Capped AB_3-Type Hyperbranched Carbosilane Macromolecules, 3287C
—; Park, E.: End-Capped Carbosilane Dendrimers with Benzoxazole, Quinoline, and Pyrone Derivatives, 2308C
—; See Chang, Y., 918C
Kim, C. K. See Park, D. S., 1948P
Kim, G.-H.
—; Jin, S.; Pugh, C.; Cheng, S. Z. D.: Effect of the Length of the Substituents on the Phase Structure and Transition Behavior of a Series of Laterally Attached Side-Chain Liquid-Crystalline Polynorbornenes, 3029P
Kim, G.-J. See Lee, K., 218P
Kim, H. See Kim, C., 3287C
Kim, H.-C.
—; Russell, T. P.: Contact of Elastic Solids with Rough Surfaces, 1848P
—; Russell, T. P.: Ordering in Thin Films of Asymmetric Diblock Copolymers, 663P
—; See Park, S.-J., 121P
Kim, H. K. See Thaweephan, P., 1605P
Kim, I. H. See Choi, H. S., 1928P
Kim, J.
—; Lee, H. H.: Wave Formation by Heating in Thin Metal Film on an Elastomer, 1122P
—; See Lee, S.-S., 2430P, 2589P, 2635P
Kim, J.-H. See Higashi, F., 1726C
Kim J. H. See Kwak, S.-Y., 993P; Lyoo, W. S., 1263P; Park, D. S., 1948P
Kim, J. S. See Ko, Y. G., 3875C
Kim, J.-S. See Kim, S. H., 2937C
Kim, J.-T.
—; Lee, M.-J.; Kim, U.-R.; Kimura, M.; Aoki, Y.; Imamura, A.: Note. Theoretical Synthesis of Poly(2-hydroxyethylmethacrylate) by Uniform Localization of Molecular Orbitals Calculation, 2677C
Kim, K.-H. See Lee, K., 218P
Kim, K.-M.
—; Chujo, Y.: Liquid-Crystalline Organic–Inorganic Hybrid Polymers with Functionalized Silsesquioxanes, 4035C
Kim, M.-H. See Annis, B. K., 2852P; Lee, S.-S., 2430P
Kim, M. J. See Park, D. S., 1948P
Kim, M. S.
—; Sanda, F.; Endo, T.: Synthesis of Phosphate End-Functional Polymers and Application to Thermally Latent Polymeric Initiators, 3832C
—; Sanda, F.; Endo, T.: Synthesis of Phosphate-Pendant Polymers and Their Application to Thermally Latent Polymeric Initiators, 3365C
Kim, S. See Jeon, H. S., 819P
Kim, S. H.
—; Woo, H.-G.; Kim, J.-S.; Lee, H.-W.; Kim, W.-G.: Synthesis and Properties of Vinyl-Terminated and Silicon-Containing Polysulfones and Polyketones, 2937C
—; See Lee, S.-H., 973C
Kim, S.-H. See Gal, Y.-S., 3151C; Jin, S.-H., 4025C
Kim, S. S. See Lee, T. B., 594P; Lyoo, W. S., 1263P
Kim, S. Y. See Lim, J. Y., 964P
Kim, S.-Y. See Gal, Y.-S., 3151C, 4101C
Kim, T. J. See Chang, J. Y., 1456C
Kim, T.-J. See Park, S.-J., 2397P
Kim, T. Y. See Ko, Y. G., 3875C
Kim, U.-R. See Kim, J.-T., 2677C
Kim, W. G.
—; Garetz, B. A.; Newstein, M. C.; Balsara, N. P.: Maximizing the Grain Growth Rate during the Disorder-to-Order Transition in Block Copolymer Melts, 2231P
Kim, W.-G. See Kim, S. H., 2937C
Kim, W.-K. See Hayden, L. M., 895P
Kim, Y. H. See Lee, S.-H., 973C
Kim, Y. S. See Shobha, H. K., 2904C
Kimura, A. See Kura, H., 2937P
Kimura, F. See Kimura, T., 1942P
Kimura, H. See Itoh, M., 2658C
Kimura, K. See Kameyama, A., 951C
Kimura, M. See Kim, J.-T., 2677C
Kimura, S. See Uedono, A., 835P
Kimura, T.
—; Yamato, M.; Endo, S.; Kimura, F.; Sata, H.; Kawasaki, H.; Shinagawa, Y.: Orientation of Cellulose Triacetate Films Cast from Solution in High Magnetic Field, 1942P
Kimura, Y. See Fujiwara, T., 4249C

Kinoshita, M. See Sakai, W., 706C
Kint, D. P. R.
—; De Ilarduya, A. M.; Muñoz-Guerra, S.: Poly(ethylene terephthalate) Copolymers Containing 5-Nitroisophthalic Units. II. Crystallization Studies, 1553P
—; Martínez de Ilarduya, A.; Muñoz-Guerra, S.: Poly-(ethylene terephthalate) Copolymers Containing 5-*tert*-Butyl Isophthalic Units, 1994C
—; Wigström, E.; Martínez de Ilarduya, A.; Alla, A.; Muñoz-Guerra, S.: Poly(ethylene terephthalate) Copolyesters Derived from (2*S*,3*S*)-2,3-Dimethoxy-1,4-butanediol, 3250C
Kirkmeyer, B. P.
—; Weiss, R. A.; Winey, K. I.: Spherical and Vesicular Ionic Aggregates in Zn-Neutralized Sulfonated Polystyrene Ionomers, 477P
Kirkpatrick, J. R. See Balooch, M., 425P
Kise, H. See Fan, Y., 1318C
Kishimoto, S. See Nishikubo, T., 1481C
Kishore See Nanda, A. K., 546C
Kissin, Y. V.
—; Main Kinetic Features of Ethylene Polymerization Reactions with Heterogeneous Ziegler–Natta Catalysts in the Light of a Multicenter Reaction Mechanism, 1681C
Kitada, T.
—; Kinetics of the Volume Phase Transition in Poly(*N*-isopropylacrylamide) Gels Prepared under High Pressure, 2315C
Kitagawa, T. See Tashiro, K., 1296P
Kitano, H. See Ichikawa, K., 2175P
Klee, J. E. See Müh, E., 4274C
Klein, A. See Budhlall, B. M., 3633C
Klein, D. J.
—; Korleski, J. E.; Harris, F. W.: Synthesis of Polyphenylquinoxaline Copolymers via Aromatic Nucleophilic Substitution Reactions of an A-B Quinoxaline Monomer, 2037C
Kleiner, L. See Gelfer, M. Y., 2774P
Klimchuk, K. A.
—; Hocking, M. B.; Lowen, S.: Water-Soluble Acrylamide Copolymers. IX. Preparation and Characterization of the Cationic Derivatives of Poly(acrylamide-*co*-*N*,*N*-dimethylacrylamide), Poly(acrylamide-*co*-methacrylamide), and Poly(acrylamide-*co*-*N*-*t*-butylacrylamide), 2525C
—; See Hocking, M. B., 1960C
Klok, H.-A.
—; Rodríguez Hernández, J.; Becker, S.; Müllen, K.: Star-Shaped Fluorescent Polypeptides, 1572C
Kloppfer, M. H. See Varlot, K., 1360P
Klubin, V. V. See Pavlyuchenko, V. N., 1435C
Klug, C. A. See Wu, J., 1730P
Knauss, D. M. See Al-Muallem, H. A., 152C, 3547C
Knoesen, A. See Wu, L.-M., 2717P
Ko, S.-W. See Song, J. W., 1810C
Ko, Y. G.
—; Choi, U. S.; Ahn, D. J.; Kim, J. S.; Kim, T. Y.: Physicochemical and Thermal Studies of Viscose Rayon Borate Fiber and Its Carbon Fiber, 3875C
Kobayashi, H. See Saito, R., 3539C
Kobayashi, M. See Fan, Y., 1318C; Ishiyama, C., 3103P
Kobayashi, S. See He, Y., 2898P
Koch, S. See Vetter, S., 1940C
Kodani, T. See Sakai, H., 1005C
Kodgire, P. See Hambir, S., 446P
Koh, K.-N. See Gal, Y.-S., 3151C
Kohan, M. I. See Zimmerman, J., 2565C, 3850C
Koivunen, J. See Kokko, E., 3805C
Kok, W. Th. See Van Bruijnsvoort, M., 1756P
Kokko, E.
—; Pietikäinen, P.; Koivunen, J.; Seppälä, J. V.: Long-Chain-Branched Polyethene by the Copolymerization of Ethene and Nonconjugated α,ω-Dienes, 3805C
—; See Ekholm, P., 127C
Kokubo, H. See Yamamoto, T., 1713P
Kolář, P. See Tsuboi, A., 1255P
Komber, H. See Kunert, C., 1280C
Kondo, K. See Iwase, Y., 3686C; Kunisaki, T., 927C; Mitsuyama, M., 913C
Kong, F. See Xu, X. H., 589P
Koning, C. E. See Vanhaecht, B., 833C
Konishi, W. See Matsubara, Y., 2125C
Konno, Y.
—; Kameyama, A.; Nishikubo, T.; Nagai, T.: Synthesis of New Photoresponsive Polyesters Containing Norbornadiene Residues by the Polyaddition of Donor–Acceptor Norbornadiene Dicarboxylic Acid Diglycidyl Ester with Dicarboxylic Acids and Their Photochemical Properties, 2683C
Koo, K. See Lyoo, W. S., 1263P
Koombhongse, S.
—; Liu, W.; Reneker, D. H.: Flat Polymer Ribbons and Other Shapes by Electrospinning, 2598P
Kops, J. See Chen, X., 1046P
Korleski, J. E. See Klein, D. J., 2037C
Koskinen, J. See Pavlyuchenko, V. N., 1435C
Kothe, T.
—; Fischer, H.: Rapid Communication. Formation Rate Constants of the Mayo Dimer in the Autopolymerization of Styrene, 4009C
Koyama, K. See Sugimoto, M., 2692P
Kozlovsky, M. V.
—; Kinetically Controlled Phase Transitions in LC Polymers. I. Isokinetic Range Crossover for the Sm B–Sm H Transition in a Side-Chain Polysiloxane, 1055P
Králová, J. See Švorčík, V., 831P
Kramer, E. J. See Benkoski, J. J., 2363P; Hui, C. Y., 1195P
Kreichman, G. S. See Pavlyuchenko, V. N., 1435C
Kreider, J. L.
—; Ford, W. T.: Quaternary Ammonium Ion Dendrimers from Methylation of Poly(propylene imine)s, 821C
Kreitmeier, S. See Michel, A., 2333P
Krepski, L. R. See Heilmann, S. M., 3655C

Kricheldorf, H. R. See Prasad, V. S., 2430C; Shaik, A.-A., 3371C
Krishnamoorti, R. See Yurekli, K., 256P
Krishnan, V. See Creed, D., 134C
Kros, A.
—; Gerritsen, M.; Murk, J.; Jansen, J. A.; Sommerdijk, N. A. J. M.; Nolte, R. J. M.: Biocompatible Polystyrenes Containing Pendant Tetra-(ethylene glycol) and Phosphorylcholine Groups, 468C
Krüger, R.-P. See Shaik, A.-A., 3371C
Kubisa, P. See Biedron, T., 3024C
Kubo, M. See Itoh, T., 1892C
Kuckling, D. See Wohlrab, S., 3797C
Kudo, H.
—; Sanda, F.; Endo, T.: Synthesis and Reactions of Cysteine-Based Telechelic Polymers, 23C
Kudoh, H.
—; Morita, Y.: Observation of Latent Tracks Formed by Heavy Ion Irradiation in Poly(methyl methacrylate), 757P
Kuhn, W. See Garbarczyk, M., 2207P
Kukulj, D. See Haddleton, D. M., 2378C
Kultys, A.
—; Pikus, S.: Polyurethanes Containing Sulfur. III. New Thermoplastic HDI-Based Segmented Polyurethanes with Diphenylmethane Unit in Their Structure, 1733C
Kumar, A. See Ambade, A., 1295C; Focarete, M. L., 1721P
Kumar, V. See Holl, M. R., 868P
Kumaran, M. G. See Sreekala, M. S., 1215P
Kunert, C.
—; Voigt, D.; Friedel, P.; Komber, H.; Böhme, F.: Polymers Containing Formamidine Groups. VI. Structural Influences on the Formation of Cyclic Trimers, 1280C
Kunisaki, T.
—; Kawai, K.; Hirohata, K.; Minami, K.; Kondo, K.: Synthesis of Polyethers Containing Cyclodipeptide Moiety in the Main Chain, 927C
Kuo, P.-L.
—; Ghosh, S. K.; Liang, W.-J.; Hsieh, Y.-T.: Hyperbranched Polyethyleneimine Architecture onto Poly(allylamine) by Simple Synthetic Approach and the Chelating Characters, 3018C
Kuo, S. W.
—; Huang, C. F.; Chang, F. C.: Study of Hydrogen-Bonding Strength in Poly(ϵ-caprolactone) Blends by DSC and FTIR, 1348P
Kura, H.
—; Fujihara, K.; Kimura, A.; Ohno, T.; Matsumura, M.; Hirata, Y.; Okada, T.: Initial Step of Anthracene-Sensitized Photoacid Generation from Diphenyliodonium Hexafluorophosphate in an Epoxy Matrix Studied by Steady-State and Laser-Flash Photolyses, 2937P
Kurihara, S. See Watanabe, T., 1505C
Kuroki, S. See Mercier, A., 956P
Kwag, H. See Lee, K., 218P
Kwak, G.
—; Masuda, T.: The Synthesis of Poly(phenylacetylene)s with Bulky Chiral Silyl Groups and the Thermal Stability of Their Helical Conformation, 71C
Kwak, G.-H. See Park, S.-J., 326P
Kwak, S. Y. See Lee, S.-S., 2430P
Kwak, S.-Y.
—; Kim, J. H.; Lee, J.-C.: Correlation between Local Mobility and Mechanical Properties of High-Speed Melt-Spun Nylon-6 Fibers, 993P
Kwan, A. T.
—; Efremov, M. Yu.; Olson, E. A.; Schiettekatte, F.; Zhang, M.; Geil, P. H.; Allen, L. H.: Nanoscale Calorimetry of Isolated Polyethylene Single Crystals, 1237P
Kwei, T. K. See Huang, P.-T., 841C; Wu, J., 224C
Kweon, J.-O.
—; Lee, Y.-K.; Noh, S.-T.: Synthesis and Thermal Behavior of Poly(ethylene oxide) Poly(N-substituted urethane), 4129C
Kwiatkowski, J.
—; Whittaker, A. K.: Molecular Motion in Nanocomposites of Poly(ethylene oxide) and Montmorillonite, 1678P
Kwon, I. C. See Lyoo, W. S., 1263P
Kyu, T. See Thaweephan, P., 1605P

Lai, S.-P. See Chen, Y., 2571C
Landfester, K. See Tiarks, F., 2520C
Lang, M.
—; Chu, C.-C.: Synthesis and Chemical Structural Analysis of Nitroxyl-Radical-Incorporated Poly(acrylic acid/lactide/ϵ-caprolactone) Copolymers, 4214C
Langer, R. See Tarcha, P. J., 4189C
Langridge, D. See Tarcha, P. J., 4189C
Langridge, S. See Hutchings, L. R., 2351P
Lapienis, G. See Kaluzynski, K., 955C
Larock, R. C. See Li, F., 60P
Larsen, N. B. See Chen, X., 1046P
Laslett, B. See Cass, P., 2244C, 2256C
Lau, C.
—; Mi, Y.: Investigation at the Chain Segmental Level of the Miscibility of Poly(vinyl chloride)/Atactic Poly(methyl methacrylate) Blends, 2390P
Laverne, J. A. See Chang, Z., 1449P
Lawrence, C. J. See Flichy, N. M. B., 3020P
Laza, J. M. See Vilas, J. L., 146P
Leclerc, M.
—; Highlight. Polyfluorenes: Twenty Years of Progress, 2867C
Lednický, F. See Hlavatá, D., 931P
Lee, C. J. See Lyoo, W. S., 1263P
Lee, C. S. See Lee, S.-S., 2430P
Lee, D. C. See Jang, L. W., 719P
Lee, D.-R. See Park, S.-J., 187C
Lee, H. H. See Kim, J., 1122P; Suh, K. Y., 2217P
Lee, H.-S. See Gal, Y.-S., 4101C; Park, S.-Y., 1472C
Lee, H.-W. See Kim, S. H., 2937C
Lee, H.-Y. See Tseng, C.-R., 2097P

Lee, J.-C. See Kwak, S.-Y., 993P
Lee, J. H.
—; Archer, L. A.: Entanglement Friction and Dynamics in Blends of Starlike and Linear Polymer Molecules, 2501P
—; See Lee, T. B., 594P
Lee, J. K. See Cha, S. Y., 880C
Lee, J.-K. See Das, P. K., 677P
Lee, J.-R. See Park, S.-J., 187C, 326P, 2397P
Lee, J. S. See Lyoo, W. S., 1263P
Lee, J. W. See Park, D. S., 1948P
Lee, J. Y. See Hong, S. M., 374P
Lee, K.
—; Kwag, H.; Kim, B.; Kim, G.-J.; Kim, K.-H.; Choe, S.: Temperature-Dependent Desorption of Surfactants in LLDPE Blend Films, 218P
Lee, K. H. See Choi, K. H., 3818C
Lee, M.-J. See Kim, J.-T., 2677C
Lee, R.-S.
—; Yang, J.-M.: Pseudopoly(amino acid)s: Copolymerization of *trans*-4-Hydroxy-L-proline and α-Hydroxy Acids, 724C
Lee, S.-H.
—; Kim, S. H.; Han, Y.-K.; Kim, Y. H.: Synthesis and Degradation of End-Group-Functionalized Polylactide, 973C
—; See Gibson, H. W., 1978C
Lee, S.-N. See Ho, C.-H., 2296C
Lee, S.-S.
—; Cho, K.; Kim, J.: Effect of Ionic Additives on Deformation Behavior of Bisphenol A Polycarbonate, 2635P
—; Kim, J.; Park, M.; Lim, S.; Choe, C. R.: Trans-esterification Reaction of the $BaSO_4$-Filled PBT/Poly(ethylene terephthalate) Blend, 2589P
—; Lee, C. S.; Kim, M.-H.; Kwak, S. Y.; Park, M.; Lim, S.; Choe, C. R.; Kim, J.: Specific Interaction Governing the Melt Intercalation of Clay with Poly(styrene-*co*-acrylonitrile) Copolymers, 2430P
Lee, S. W. See Park, J. H., 1800C, 3622C
Lee, T. B.
—; No, K. T.; Cho, S. H.; Kim, S. S.; Seo, J. K.; Lee, J. H.; Yuk, S. H.: Polymeric Nanosphere Formed from Temperature-Responsive Polymer Composed of (*N,N*-Dimethylamino)Ethyl Methacrylate and Ethyl Acrylamide, 594P
Lee, T. S. See Cha, S. Y., 880C
Lee, W.-C. See Gal, Y.-S., 3151C, 4101C
Lee, Y. See Irvin, J. A., 2164C
Lee, Y.-H. See Ishida, H., 736P
Lee, Y.-K. See Kweon, J.-O., 4129C
Lefebvre, J.-M. See Penel-Pierron, L., 484P, 1224P
Lehmus, P. See Ekholm, P., 127C
Lei, T. See Cai-Yuan, P., 3062C
Leiza, J. R. See Plessis, C., 1106C
Le Moël, A. See Aymes-Chodur, C., 1437P
Lemopulo, K. See Avci, D., 640C
León, L. M. See Vilas, J. L., 146P
Lepoittevin, B.
—; Hemery, P.: Synthesis of Multicyclic and Grafted Polystyrenes, 2723C
Leroux, J.-C. See Ranger, M., 3861C
Lesser, A. J. See Zerda, A. S., 1137P
Lestriez, B. See Bonnet, A., 363P
Leu, T.-S.
—; Wang, C. S.: Kinetic Models for Solution Imidization of Polyamic Acid Containing Naphthalene-Pendant Group, 4139C
Levchik, S. V. See Huang, P.-T., 841C
Levy, R. J. See Alferiev, I. S., 105C
Li, A. D. Q. See Peng, G.-D., 1794P
Li, C. T. See Shyu, G. D., 2252P
Li, F.
—; Larock, R. C.: New Soybean Oil-Styrene-Divinylbenzene Thermosetting Copolymers. III. Tensile Stress–Strain Behavior, 60P
Li, G. See Yang, X., 729P
Li, H.
—; Geng, Y.; Tong, S.; Tong, H.; Hua, R.; Su, G.; Wang, L.; Jing, X.; Wang, F.: Synthesis and Characterization of Alternating Copolymers Containing Triphenylamine as Hole-Transporting Units, 3278C
—; Hu, G.-H.: The Early Stage of the Morphology Development of Immiscible Polymer Blends during Melt Blending: Compatibilized vs. Uncompatibilized Blends, 601P
—; Ruckenstein, E.: Concentrated Emulsion Pathway to Self-Compatibilization of Polymer Blends, 757C
Li, J.
—; He, Y.; Inoue, Y.: Thermal and Infrared Spectroscopic Studies on Hydrogen-Bonding Interactions between Poly-(ε-caprolactone) and Some Dihydric Phenols, 2108P
—; See He, Y., 2898P
Li, P.
—; Qiu, K.-Y.: *In Situ* Atom Transfer Radical Polymerization of Styrene with a Tetraethylthiuram Disulfide/Copper Bromide/2,2′-Bipyridine Initiating System, 4001C
Li, R. K. Y. See Yuan, Q., 1855P
Li, S.
—; Järvelä, P.: Application of a Model-Free Isoconversional Method to the Cure of Phenolic Systems, 1525P
Li, X.-D.
—; Goh, S. H.: Phase Behavior of Ternary Poly-(2-vinyl-pyridine)/Poly-(*N*-vinyl-2-pyrrolidone)/bis-(4-Hydroxyphenyl)methane Blends, 1815P
Li, X.-G.
—; Duan, W.; Huang, M.-R.; Yang, Y.-L.: Preparation and Characterization of Soluble Terpolymers from *m*-Phenylenediamine, *o*-Anisidine, and 2,3-Xylidine, 3989C
Li, Y. See Hu, Z., 2168P; Wu, Y. C., 2290P; Yang, J., 3981C; Zhang, R., 2035P
Li, Z.
—; Ma, D.; Cheng, X.; Luo, X.; Zhang, G.: Crystallization Behavior and Spherulite Morphology of Hard and Soft Segments in Butylene Terephthalate–ε-Caprolactone Copolyesters, 634P
—; Qin, J.; Deng, X.; Cao, Y.: Synthesis and Luminescence of Polyphosphazenes with Carbazolyl Side Chains, 3428C

Liang, B. See Yang, H., 2607P; Yang, S., 2915P

Liang, T.
—; Yang, X.; Zhang, X.: Prediction of Polyimide Materials with High Glass-Transition Temperatures, 2243P

Liang, W.-J. See Kuo, P.-L., 3018C

Liao, H. H. See Hsiue, G. H., 986C

Liao, Y.
—; Wang, Q.; Xia, H.; Xu, X.; Baxter, S. M.; Slone, R. V.; Wu, S.; Swift, G.; Westmoreland, D. G.: Ultrasonically Initiated Emulsion Polymerization of Methyl Methacrylate, 3356C

Liaw, B.-Y. See Liaw, D.-J., 63C, 1156C, 1557C, 2951C, 3498C

Liaw, D.-J.
—; Hsu, J.-J.; Liaw, B.-Y.: Synthesis and Characterization of New Soluble Cardo Polyesters Derived from 1,1-bis- 4-(4-chlorocarboxyphenoxy)phenyl}-4-*tert*-butylcyclohexane with Various Bisphenols by Solution Polycondensation, 2951C
—; Hsu, P.-N.; Chen, J.-J.; Liaw, B.-Y.; Hwang, C.-Y.: Synthesis and Characterization of New Soluble Polyamides Containing Phthalimide Pendent Group, 1557C
—; Hsu, P.-N.; Chen, W.-H.; Liaw, B.-Y.: Synthesis and Characterization of New Soluble Poly(amide-imide)s Derived from 2,2-Bis 4-(4-trimellitimidophenoxy)-phenyl}hexafluoropropane, 3498C
—; Hsu, P.-N.; Liaw, B.-Y.: Synthesis and Characterization of Novel Polyamide-imides Containing Noncoplanar 2,2′-Dimethyl-4,4′-biphenylene Unit, 63C
—; Liaw, B.-Y.; Yang, C.-M.; Hsu, P.-N.; Hwang, C.-Y.: Synthesis and Characterization of New Organosoluble Polyamides Derived from Bis 4-(4-carboxy-phenoxy)phenyl}diphenyl-methane, 1156C
—; See Capek, I., 101P

Liimatta, J. O.
—; Löfgren, B.; Miettinen, M.; Ahlgren, M.; Haukka, M.; Pakkanen, T. T.: Molecular Structure Determination of Ni(II) Diimine Complex and DMA Analysis of Ni(II) Diimine-Based Polyethenes, 1426C

Lim, B. S. See Cha, S. Y., 880C

Lim, J. Y.
—; Kim, S. Y.: Thermal Shrinkage Stress in High-Speed-Spun, High Molecular Weight Poly(ethylene terephthalate) Filaments, 964P

Lim, L. S. See Möller, M., 3529C

Lim, S. See Lee, S.-S., 2430P, 2589P

Lim, S. F. See Ke, L., 1697P

Lima, E. L. See Sayer, C., 3513C

Lin, H. See Yang, J., 3981C

Lin, J.-J. See Ho, R.-M., 2469P

Lin, K.-F.
—; Shyu, J.-Y.: Early Cure Behavior of a Liquid Dicyanate Ester Resin, 3085C

Lin, S. See Huang, Q., 4068C

Lin, Y.
—; Pramoda, K. P.; He, C.; Chen, W.-Y.; Chung, T. S.: Synthesis, Characterization, and Thermal Properties of Ladderlike Polyepoxysiloxanes, 2215C

Lin, Y. Y. See Hui, C. Y., 1195P

Linares, A. See Bashir, H., 1017P

Lincoln, J. E.
—; Morgan, R. J.; Shin, E. E.: Effect of Thermal History on the Deformation and Failure of Polyimides, 2947P

Lindblad, M. S. See Liu, Y., 2508C

Lindsay, G. A. See Hayden, L. M., 895P

Ling, H. See Xinling, W., 2225P

Liou, G.-S.
—; Hsiao, S.-H.: Synthesis and Properties of New Organosoluble and Alternating Aromatic Poly(ester-amide-imide)s with Pendant Phosphorus Groups, 1786C

Lipic, P. M. See Dean, J. M., 2996P

Liu, B.
—; Zhao, X.; Wang, X.; Wang, F.: Copolymerization of Carbon Dioxide and Propylene Oxide with $Ln(CCl_3COO)_3$-Based Catalyst: The Role of Rare-Earth Compound in the Catalytic System, 2751C

Liu, C.
—; Tang, T.; Huang, B.: Preparation and Application of a Novel Core-Shell-Particle-Supported Zirconocene Catalyst, 2085C

Liu, H.
—; Wilén, C.-E.: Hyperbranched Polymers with Maleic Functional Groups As Radical Crosslinkers, 964C
—; Wilén, C.-E.: Theoretical Consideration of the Molecular Mass Distribution of Starlike Polymers Formed by Attachment of Linear Polymers to Dendritic Cores, 2751P

Liu, H.-W. See Zhao, Y.-L., 3960C

Liu, J.
—; Støvneng, J. A.; Rytter, E.: Possible Effects on the Polyethene Chain Structure of Trimethylaluminum Coordination to Zirconocene Catalysts, 3566C
—; Wan, M.: Studies on Formation Mechanism of Polypyrrole Microtubule Synthesized by Template-Free Method, 997C
—; See Chen, Z., 3726C; Zhou, H., 2404C

Liu, J. G. See Xie, K., 2581C

Liu, M. L. See Bergbreiter, D. E., 4119C

Liu, N. C. See Zhou, Z. F., 486C

Liu, R.
—; Winnik, M. A.; Di Stefano, F.; Vanketessan, J.: Polymerizable Anthracene Derivatives for Labeling Emulsion Copolymers, 1495C

Liu, R. Y. F. See Polyakova, A., 1889P

Liu, S.
—; Sen, A.: Grafting of Syndiotactic Polystyrene by Branched Oligoethene Using $Ni(\pi\text{-methallyl})(Br)\}_2/AlCl_3$ Catalyst, 446C

Liu, T.
—; Samuels, R.: The Influence of Hydrogen Chloride Doping Level on the Complex Refractive Indices of Anisotropic Polyaniline Film: Application of a New Internal

Reflection Waveguide Coupling Technique, 2481P
Liu, W. See Koombhongse, S., 2598P
Liu, X. See Yang, Y., 901P
Liu, Y.
—; Ranucci, E.; Lindblad, M. S.; Albertsson, A.-C.: New Biodegradable Polymers from Renewable Sources: Polyester-carbonates Based on 1,3-Propylene-*co*-1,4-Cyclohexanedimethylene Succinate, 2508C
—; Söderqvist Lindblad, M.; Ranucci, E.; Albertsson, A.-C.: New Segmented Poly(Ester-Urethane)s from Renewable Resources, 630C
—; See Emran, S. K., 1381P; Sui, Y., 2189C
Liu, Y.-G. See Sui, Y., 1419C
Liu, Y. L.
—; Liu, Y. L.; Jeng, R. J.; Chiu, Y.-S.: Triphenylphosphine Oxide-Based Bismaleimide and Poly(bismaleimide): Synthesis, Characterization, and Properties, 1716C
—; See Hsiue, G. H., 986C; Liu, Y. L., 1716C
Livney, Y. D.
—; Ramon, O.; Kesselman, E.; Cogan, U.; Mizrahi, S.; Cohen, Y.: Swelling of Dextran Gel and Osmotic Pressure of Soluble Dextran in the Presence of Salts, 2740P
Lodge, T. P. See Milhaupt, J. M., 843P
Löfgren, B. See Jokela, K., 1860P; Liimatta, J. O., 1426C
Lombardi, V. See Ameduri, B., 4227C
Long, T. E. See Pasquale, A. J., 216C
Loo, Y.-L. See Vega, D. A., 2183P
Loontjens, T. See Biedron, T., 3024C
Loos, J. See Tian, M., 763P
López, D. See Cendoya, I., 1968P
Loska, R. See Szczubiałka, K., 2784C
Lott, J. N. A. See Pandey, A. K., 807C
Lowen, S. See Hocking, M. B., 1960C; Klimchuk, K. A., 2525C
Lozano, A. E. See Espeso, J. F., 475C; García, J. M., 1825C
Lu, J. See Sui, Y., 2189C
Lu, J.-X. See Sui, Y., 1419C
Lu, S. J. See Yuan, J. C., 2027C
Lu, Z. See He, C., 1242C; Zhao, L., 1288C
Luo, X. See Li, Z., 634P
Luo, Y.
—; Schork, F. J.: Emulsion Copolymerization of Butyl Acrylate with Cationic Monomer Using Interfacial Redox Initiator System, 2696C
Lyoo, W. S.
—; Synthesis of Ultrahigh Molecular Weight Poly(*N*-vinylcarbazole) with a High Yield Using Low-Temperature Heterogeneous-Solution Polymerization, 539C
—; Kim, J. H.; Koo, K.; Lee, J. S.; Kim, S. S.; Yoon, W. S.; Ji, B. C.; Kwon, I. C.; Lee, C. J.: Effect of Stereosequences on Crystallinity and Properties of Zone-Drawn Poly(vinyl alcohol) Microfibrils, 1263P
—; See Cho, J., 1778P; Song, J. W., 1810C
Ma, C.-C. M.
—; Sung, S.-C.; Wang, F.-Y.; Chiang, L. Y.; Wang, L. Y.; Chiang, C.-L.: Thermal, Mechanical, and Morphological Properties of Novolac-Type Phenolic Resin Blended with Fullerenol Polyurethane and Linear Polyurethane, 2436P
Ma, D. See Li, Z., 634P; Qi, C., 332P; Zhang, Z., 232C
Ma, G. Z. See Abd-El-Aziz, A. S., 1216C
Ma, H.
—; Zhang, Y.; Chen, B.; Huang, J.; Qian, Y.: Syndiospecific Polymerization of Styrene Catalyzed by $CpTiCl_2(OR)$ Complexes, 1817C
Ma, J. W.
—; Cunningham, M. F.; McAuley, K. B.; Keoshkerian, B.; Georges, M. K.: Nitroxide Partitioning between Styrene and Water, 1081C
Machado, J. C. See Song, M., 1659P
Mackay, M. E. See Hay, G., 1766P
Mader, M. See Altomare, A., 2957C
Madruga, E. L. See De La Fuente, J. L., 3443C; Fernández-Monreal, C., 2043C
Maeda, K.
—; Okada, S.; Yashima, E.; Okamoto, Y.: Helix Formation of Poly(phenylacetylene) Derivatives Bearing Amino Groups at the Meta Position Induced by Optically Active Carboxylic Acids, 3180C
Maeda, Y. See Sato, T., 2196C
Mahltig, B.
—; Gohy, J.-F.; Jérôme, R.; Stamm, M.: Diblock Polyampholytes at the Silicon–Water Interface: Adsorption as a Function of Block Ratio and Molecular Weight, 709P
Mak, A. F. T. See Sun, S., 236P
Malet, F. See Perrier, S., 1696C
Mallakpour, S. E.
—; Hajipour, A.-R.; Zamanlou, M. R.: Synthesis of Optically Active Poly(amide-imide)s Derived from *N,N'*-(4,4'-Carbonyldiphthaloyl)-bis-L-leucine Diacid Chloride and Aromatic Diamines by Microwave Radiation, 177C
Mallon, P. E. See Wu, Y. C., 2290P; Zhang, R., 2035P
Malveau, C.
—; Beaume, F.; Germain, Y.; Canet, D.: Analysis of Solvent Diffusion in High-Density Polyethylene Using NMR Imaging Techniques, 2781P
Mandal, B. M. See Bhattacharyya, S., 1935P; Guha, S., 3434C
Mann, T. See Cass, P., 2244C
Mansour, A. A. See Mohammady, S. Z., 2198P
Manuszak, M. See Carrot, G., 4294C
Manz, B.
—; Masere, J.; Pojman, J. A.; Volke, F.: Magnetic Resonance Imaging of Spiral Patterns in Crosslinked Polymer Gels Produced via Frontal Polymerization, 1075C
Marathe, S.
—; Uemura, T.; Naka, K.; Chujo, Y.: Synthesis and Properties of Oxygen-, Methylene-, and Alkylene-Bridged Poly(dithiafulvene)s, 3593C
Maréchal, Y. See Ngono, Y., 1129P
Marom, G. See Assouline, E., 2016P

Martel, B.
—; Devassine, M.; Crini, G.; Weltrowski, M.; Bourdonneau, M.; Morcellet, M.: Preparation and Sorption Properties of a β-Cyclodextrin-Linked Chitosan Derivative, 169C
Martínez de Ilarduya, A. See Kint, D. P. R., 1994C, 3250C
Martínez, G. See Fernández-Monreal, C., 2043C
Martín-Molina, A. See Miraballes-Martínez, I., 2929C
Martins-Avles, M. C. See Furtado, C. A., 2572P
Masamoto, J. See Yamasaki, N., 3239C
Maschke, U. See Gogibus, N., 581P
Masere, J. See Manz, B., 1075C
Massa, M. V. See Dalnoki-Veress, K., 2615P
Masson, C.
—; Scherman, D.; Bessodes, M.: 2,2,6,6-Tetramethyl-1-piperidinyl-oxyl/ Bis(acetoxy)-iodo}benzene-Mediated Oxidation: A Versatile and Convenient Route to Poly(ethylene glycol) Aldehyde or Carboxylic Acid Derivatives, 4022C
Masubuchi, Y. See Sugimoto, M., 2692P
Masuda, T. See Abdul Karim, S. M., 3130C; Araki, O., 337P; Kwak, G., 71C
Masuoka, H. See Tsuboi, A., 1255P
Mateo, J. L.
—; Calvo, M.; Bosch, P.: Photoinitiated Polymerization of Methacrylic Monomers in a Polybutadiene Matrix (PB): Kinetic, Mechanistic, and Structural Aspects, 2444C
—; Calvo, M.; Bosch, P.: Photoinitiated Polymerization of Methacrylic Monomers in a Polystyrene Matrix: Kinetic, Mechanistic, and Structural Aspects, 2049C
Mathias, L. J. See Avci, D., 640C
Matsubara, Y.
—; Konishi, W.; Sugizaki, T.; Moriya, O.: Synthesis of Poly(phenylsilsesquioxane) Having Organostannyl Groups, 2125C
Matsumoto, K.
—; Nishimura, R.; Mazaki, H.; Matsuoka, H.; Yamaoka, H.: Synthesis and Hydrogel Formation of Fluorine-Containing Amphiphilic ABA Triblock Copolymers, 3751C
—; Wahnes, C.; Mouri, E.; Matsuoka, H.; Yamaoka, H.: Synthesis of Anionic Amphiphilic Carbosilane Block Copolymer: Poly(1,1-diethylsilacyclobutane-*block*-methacrylic acid), 86C
Matsumura, M. See Kura, H., 2937P
Matsuoka, H. See Harada, T., 78P; Matsumoto, K., 86C, 3751C
Matsuoka, T. See Tanimura, S., 973P
Matsushima, H. See Kasashima, Y., 1877C
Matsuzono, S.-I. See Sugihara, S., 3190C
Mattice, W. L. See Gallego, J., 1272P
Mauritz, K. A. See Grady, B. P., 197P; Young, S. K., 1282P
May, I.
—; Žigon, M.: ^{1}H NMR Study of the Kinetics of Substituted Aniline Polymerization. I. Homopolymerization of 2-Methoxyaniline, 2471C
—; Žigon, M.: ^{1}H NMR Study of the Kinetics of Substituted Aniline Polymerization. II. Copolymerization of 2-Methoxyaniline and 3-Aminobenzenesulfonic Acid, 2482C
May, L. J. See Abd-El-Aziz, A. S., 2716C
Mayer, J. See Szadkowska-Nicze, M., 4110C
Mazaki, H. See Matsumoto, K., 3751C
McAuley, K. B. See Ma, J. W., 1081C
McCarry, B. E. See Pandey, A. K., 807C
McDivitt, J. See Andjelić, S., 153P, 3073P
McElrath, K. O. See Yurekli, K., 256P
McGrath, J. E. See Shobha, H. K., 2904C
McKenna, T. F. See Ouzineb, K., 2832C
McManus, N. T. See Palmer, D. E., 1753C
Medellin-Rodriguez, F. J. See Wang, Z.-G., 2982P
Meerholz, K. See Serhatli, I. E., 1589C
Megiel, E.
—; Kaim, A.: Molecular Geometry and Electronic Structure of Molecules in Free-Radical Copolymerization of Styrene and Methyl Methacrylate Derived from Density Functional Calculations, 3761C
Mehdipour-Ataei, S. See Barikani, M., 514C
Meier, G. B.
—; Weickert, G.; Van Swaaij, W. P. M.: Gas-Phase Polymerization of Propylene: Reaction Kinetics and Molecular Weight Distribution, 500C
Meijer, E. W. See Peerlings, H. W. I., 3112C
Meißner, D.
—; Einfeldt, L.; Einfeldt, J.: Dielectric Relaxation Analysis of Cellulose Oligomers and Polymers in Dependency on Their Chain Length, 2491P
Mendicuti, F. See Gallego, J., 1272P
Meng, S. See Thaweephan, P., 1605P
Meng, Y. Z.
—; Tjong, S. C.; Hay, A. S.; Wang, S. J.: Synthesis and Proton Conductivities of Phosphonic Acid Containing Poly(arylene ether)s, 3218C
Mercier, A.
—; Kuroki, S.; Ando, I.; Deleuze, H.; Mondain-Monval, O.: Structural and Dynamic Study of Chemically Modified PolyHIPE by Solid-State ^{13}C NMR Spectroscopy, 956P
Mercier, R. See Bes, L., 2602C
Meredith, J. C. See Smith, A. P., 2141P
Meyer, W. H. See Bozkurt, A., 1987P
Mi, Y. See Lau, C., 2390P
Michel, A.
—; Kreitmeier, S.: Adsorption of a Single Polymer Chain on a Surface: A Molecular Dynamics Simulation Study, 2333P
Miettinen, M. See Liimatta, J. O., 1426C
Mijangos, C. See Cendoya, I., 1968P
Mikroyannidis, J. A. See Spiliopoulos, I. K., 2454C

Milhaupt, J. M.
—; Lodge, T. P.: Homopolymer and Small-Molecule Tracer Diffusion in a Gyroid Matrix, 843P
Minami, H. See Okubo, M., 3106C
Minami, K. See Kunisaki, T., 927C
Minoda, M. See Yamada, K., 459C; Zhou, Q., 376C
Minou, K. See Amari, T., 665C
Miraballes-Martínez, I.
—; Martín-Molina, A.; Galisteo-González, F.; Forcada, J.: Synthesis of Amino-Functionalized Latex Particles by a Multistep Method, 2929C
Mirabella, F. M.
—; Correlation of the Elution Behavior in Temperature Rising Elution Fractionation and Melting in the Solid-State and in the Presence of a Diluent of Polyethylene Copolymers, 2819P
—; Correlation of the Melting Behavior and Copolymer Composition Distribution of Ziegler–Natta-Catalyst and Single-Site-Catalyst Polyethylene Copolymers, 2800P
—; See Bafna, A., 2923P
Miri, V. See Penel-Pierron, L., 1224P
Mironi-Harpaz, I.
—; Narkis, M.: Thermoelectric Behavior (PTC) of Carbon Black-Containing TPX/UHMWPE and TPX/XL-UHMWPE Blends, 1415P
Mishra, M.
—; Bradley, J.; Saxton, R. G.; Duggal, A.: Anionic Polymerization of Long-Chain Alkyl Methacrylates, 947C
Misra, N. See Sengupta, S. K., 1584C
Mitani, K. See Higashi, F., 196C, 3884C
Mitsuda, Y. See Itoh, T., 1892C
Mitsuyama, M.
—; Kondo, K.: Induced Chiral Helical Effect on the Main Chain of Aliphatic Polyacetylenes, 913C
Miyagawa, T.
—; Sanda, F.; Endo, T.: A Novel Route to Poly(α-hydroxyacrylic acid) Derivatives by the Hydrolysis of Polymers Containing 1,3-Dioxolan-4-one Moiety, 1629C
Miyamoto, T. See Yamada, K., 459C; Zhou, Q., 376C
Miyatake, K.
—; Hay, A. S.: New Poly(arylene ether)s with Pendant Phosphonic Acid Groups, 3770C
—; Hay, A. S.: Synthesis and Properties of Poly(arylene ether)s Bearing Sulfonic Acid Groups on Pendant Phenyl Rings, 3211C
—; Hay, A. S.: Synthesis of Novel Phosphinic Acid-Containing Polymers, 1854C
Mizrahi, S. See Livney, Y. D., 2740P
Mizuma, K. See Shirahama, H., 1374C
Mizutani, T. See Zhang, C., 1741P
Moad, G. See Freischmidt, H. M., 1803P
Mochizuki, A. See Ichikawa, K., 2175P; Nishio, A., 416C
Moffitt, M. See Tong, J.-D., 239C
Mogri, Z.
—; Paul, D. R.: Water-Vapor Permeation in Semicrystalline and Molten Poly(octadecyl acrylate), 979P
Mohammady, S. Z.
—; Mansour, A. A.; Stoll, B.: Dynamic Mechanical Relaxation Behavior of Block Copolymers at High Temperatures, 2198P
Möller, M.
—; Nederberg, F.; Lim, L. S.; Kange, R.; Hawker, C. J.; Hedrick, J. L.; Gu, Y.; Shah, R.; Abbott, N. L.: Stannous(II) Trifluoromethane Sulfonate: A Versatile Catalyst for the Controlled Ring-Opening Polymerization of Lactides: Formation of Stereoregular Surfaces from Polylactide "Brushes", 3529C
Mondain-Monval, O. See Mercier, A., 956P
Monrabal, B. See Nieto, J., 1616P
Montagnini di Mirabello, L. See Castelvetro, V., 32C
Montané, J. See Asín, L., 4283C
Monteiro, M. J.
—; Bussels, R.; Wilkinson, T. S.: Emulsion Polymerization of Methyl Methacrylate in the Presence of Novel Addition–Fragmentation Chain-Transfer Reactive Surfactant (Transurf), 2813C
Moore, J. S. See Zhu, A., 2859C
Mora, G. See Balsamo, V., 771P
Morales, J. See Olayo, M. G., 175P
Morcellet, M. See Martel, B., 169C
Morgan, R. J. See Lincoln, J. E., 2947P
Mori, T. See Ichikawa, K., 2175P; Zhang, C., 1741P
Morikita, T. See Yamamoto, T., 1713P
Morimoto, H. See Nomura, K., 2463C
Morishima, M. See Hayakawa, T., 2287C
Morita, H. See Kanbara, T., 3739C
Morita, Y. See Kudoh, H., 757P
Moriya, O.
—; Sasaki, Y.; Sugizaki, T.; Nakamura, Y.; Endo, T.: Synthesis of Hybrid Resins via Polysiloxane with Methacryloyloxy Groups, 1C
—; See Matsubara, Y., 2125C
Morooka, T. See Nagata, M., 2896C
Morsley, D. R. See Barner-Kowollik, C., 1353C
Morsley, S. R. See Haddleton, D. M., 2378C
Mortara, S.
—; Fregonese, D.; Bresadola, S.; Boaretto, R.; Sostero, S.: Metallocene Derivatives as Active Supports of Zirconium-Based Catalysts for Ethene Polymerization, 4243C
Moschogianni, P.
—; Pispas, S.; Hadjichristidis, N.: Multifunctional ATRP Initiators: Synthesis of Four-Arm Star Homopolymers of Methyl Methacrylate and Graft Copolymers of Polystyrene and Poly(*t*-butyl methacrylate), 650C
Mouri, E. See Matsumoto, K., 86C
Müh, E.
—; Stieger, M.; Klee, J. E.; Frey, H.; Mülhaupt, R.: Organic–Inorganic Hybrid Networks by the Sol–Gel Process and Subsequent Photopolymerization, 4274C
Mülhaupt, R. See Müh, E., 4274C; Scherble, J., 1429P

Müllen, K. See Klok, H.-A., 1572C
Mullen, L. R. See Hoyle, C. E., 571C
Müller, A. J. See Balsamo, V., 771P
Muñoz-Guerra, S. See Kint, D. P. R., 1994C, 3250C, 1553P
Muramatsu, M. See Uedono, A., 835P
Murata, K. See Endo, K., 145C
Murata, M. See Ban, H. T., 3733C; Kawabe, M., 3692C
Murk, J. See Kros, A., 468C
Murray, W. R. See Holl, M. R., 868P
Muthukumar, M. See Ghosh, K., 2644P

Nachtegaal, G. H. See Cornelissen, J. J. L. M., 4255C
Nagai, D.
—; Sudo, A.; Sanda, F.; Endo, T.: Novel Approach to Well-Defined Polyester by Living Anionic Alternating Copolymerization of Ethylphenylketene with 4-Methoxybenzaldehyde, 2078C
Nagai, M. See Nakamura, K., 1371P
Nagai, T. See Kawashima, N., 1764C; Konno, Y., 2683C
Nagata, M.
—; Morooka, T.; Sakai, W.; Tsutsumi, N.: Synthesis, Characterization, and Biodegradability of Novel Regular-Network Polyesteramines Based on 1,1,1-Triethanolamine, 2896C
—; Nakae, M.: Synthesis, Characterization, and *in vitro* Degradation of Thermotropic Polyesters and Copolyesters Based on Terephthalic Acid, 3-(4-Hydroxyphenyl)propionic Acid, and Glycols, 3043C
—; See Sakai, W., 706C
Naka, K.
—; Uemura, T.; Chujo, Y.: Alternating π-Conjugated Copolymer of Dithiafulvene with 2,2′-Bipyridyl Units, 4083C
—; See Marathe, S., 3593C
Nakae, M. See Nagata, M., 3043C
Nakamura, K.
—; Nagai, M.; Kanamoto, T.; Takahashi, Y.; Furukawa, T.: Development of Oriented Structure and Properties on Drawing of Poly(vinylidene fluoride) by Solid-State Coextrusion, 1371P
Nakamura, Y. See Gao, X., 800C; Moriya, O., 1C
Nakano, M. See Tanimura, S., 973P
Nakano, T.
—; Ueda, K.; Okamoto, Y.: Rapid Communication. Helix-Sense-Selective Polymerization of (1-Methylpiperidin-4-yl)-diphenylmethyl Methacrylate by Anionic and Free-Radical Catalyses, 1610C
—; See Isobe, Y., 1463C
Nakata, M. See Fujii, S., 1976P
Nanda, A. K.
—; Kishore: Thermal-Initiating Potentialities of Poly(methyl methacrylate) Peroxide: Metamorphosis of Block-into-Block Copolymer and Comparative Studies on Surface Texture and Morphology, 546C
Nanda, V. S. See Arora, R. K., 515P
Napolitano, R. See Silvestre, C., 415P
Narh, K. A. See Zhu, L., 2461P
Narkis, M. See Mironi-Harpaz, I., 1415P; Segal, E., 611P; Sluszny, A., 8C
Narumi, A.
—; Kaga, H.; Kawasaki, K.; Taniguchi, Y.; Satoh, T.; Kakuchi, T.: Glycoconjugated Polymer. I. Synthesis and Characterization of Amphiphilic Polystyrenes with Glucose, Maltose, and Maltohexaose as Hydrophilic Segments, 4061C
Natansohn, A. See Takase, H., 1686P
Natori, I. See Imaizumi, K., 13P
Nazarenko, S. See Hodge, K., 2519P
Ndawuni, M. P. See Summers, G. J., 2058C
Nederberg, F. See Möller, M., 3529C
Nedorezova, P. M. See Panin, A. N., 1915C
Nemoto, N.
—; Sanda, F.; Endo, T.: Cationic Ring-Opening Polymerization of Six-Membered Cyclic Carbonates with Ester Groups, 1305C
—; See Kameshima, H., 3143C
Nestle, N. See Garbarczyk, M., 2207P
Netcheva, S.
—; Bertrand, P.: Ion-Beam-Induced Morphology on the Surface of Thin Polymer Films at Low Current Density and High Ion Fluence, 314P
Neumann, M. G. See Rodrigues, M. R., 46C
Newkome, G. R. See Emran, S. K., 1381P
Newstein, M. C. See Kim, W. G., 2231P
Ngono, Y.
—; Maréchal, Y.: Epoxy–Amine Reticulates Observed by Infrared Spectrometry. III. Modifications of the Structure and Hydration Abilities after Irradiation in a Humid Atmosphere, 1129P
Nguyen, T. See Raghavan, D., 1460P
Nieto, J.
—; Oswald, T.; Blanco, F.; Soares, J. B. P.; Monrabal, B.: Crystallizability of Ethylene Homopolymers by Crystallization Analysis Fractionation, 1616P
Nikles, D. E. See Han, M., 4044C
Nishikubo, T.
—; Kameyama, A.; Izawa, C.: Synthesis of Polyethers with Unsymmetrical Structures by the Polyaddition of 3-Ethyl-3-(glycidyloxymethyl)oxetane with Diacyl Chlorides, 368C
—; Kameyama, A.; Tsutsui, K.: Synthesis of Photoreactive Calixarene Derivatives Containing Pendant Cyclic Ether Groups, 1169C
—; Kameyama, A.; Tsutsui, K.; Kishimoto, S.: Synthesis and Photoinduced Deprotection of Calixarene Derivatives Containing Certain Protective Groups, 1481C
—; See Inomata, K., 530C; Kameyama, A., 951C; Kawashima, N., 1764C; Konno, Y., 2683C
Nishimura, K. See Amari, T., 665C
Nishimura, R. See Matsumoto, K., 3751C
Nishinari, K. See Huang, L., 496P

Nishio, A.
—; Mochizuki, A.; Sugiyama, J.-I.; Takeuchi, K.; Asai, M.; Yonetake, K.; Ueda, M.: Synthesis of Head-to-Tail Polyurethanes from Nonsymmetric Diisocyanate and Ethylene Glycol with Organotin Catalysts, 416C
Nissen, K. E.
—; Stevens, M. G.; Stuart, B. H.; Baker, A. T.: Characterization of PET Films Modified by Tetraethylenepentamine (TTEPA), 623P
No, K. T. See Lee, T. B., 594P
Nogales, A. See Denchev, Z., 881P
Noh, S.-T. See Kweon, J.-O., 4129C
Nojima, S. See Seki, M., 2340P
Nolte, R. J. M. See Cornelissen, J. J. L. M., 4255C; Kros, A., 468C
Nomura, K.
—; Morimoto, H.; Imanishi, Y.; Ramhani, Z.; Geerts, Y.: Synthesis of High Molecular Weight *trans*-Poly(9,9-di-*n*-octylfluorene-2,7-vinylene) by the Acyclic Diene Metathesis Polymerization Using Molybdenum Catalysts, 2463C
Nomura, M. See Sakai, H., 1005C
Nomura, R. See Abdul Karim, S. M., 3130C
Nonaka, T. See Watanabe, T., 1505C
Norisuye, T. See Chisaka, S., 2071P
Nossarev, G. G.
—; Hogen-Esch, T. E.: Living *tert*-Butyllithium Initiated Anionic Polymerization of 2-Vinylnaphthalene in Toluene-Tetrahydrofuran Mixtures, 3034C
—; See Tillman, E. S., 3121C
Nowakowska, M. See Szczubiałka, K., 2784C

Ochi, M.
—; Takahashi, R.: Phase Structure and Thermomechanical Properties of Primary and Tertiary Amine-Cured Epoxy/Silica Hybrids, 1071P
Ochiai, B.
—; Tomita, I.; Endo, T.: Anionic Polymerization of 4-Phenyl-1-buten-3-yne Derivatives Bearing Electron-Withdrawing Groups, 1016C
Ogawa, T. See Kanai, T., 1085P
Oh, S. J.
—; Kim, B. C.: Effects of Hydroxyl-Group End Capping and Branching on the Physical Properties of Tailored Polyethylene Terephthalates, 1027P
Ohdaira, T. See Wu, Y. C., 2290P; Zhang, R., 2035P
Ohno, K.
—; Wong, B.; Haddleton, D. M.: Synthesis of Well-Defined Cyclodextrin-Core Star Polymers, 2206C
Ohno, T. See Kura, H., 2937P
Ohoshita, K. See Yasuniwa, M., 2005P
Ohta, K. See Iwase, Y., 3686C
Ohtake, S. See Itoh, T., 1892C
Oishi, T. See Isobe, Y., 3556C
Oka, K. See Kanai, T., 1085P
Okada, S. See Maeda, K., 3180C
Okada, T. See Kura, H., 2937P
Okada, Y. See Aoshima, S., 751C
Okamoto, Y. See Isobe, Y., 1463C; Maeda, K., 3180C; Nakano, T., 1610C
Okamura, H. See Zhou, Q., 376C
Okano, T. See Ebara, M., 335C
Okasha, R. M. See Abd-El-Aziz, A. S., 2716C
Okazaki, M.
—; Hayakawa, T.; Ueda, M.; Takeuchi, K.; Asai, M.: Chemoselective Polyesterification by Direct Polycondensation, 78C
Oki, T. See Sato, T., 1269C
Okita, K. See Itoh, M., 2658C
Oku, H. See Hendri, J., 56C
Okubo, M.
—; Wang, Z.; Yamashita, T.; Ise, E.; Minami, H.: Morphology of Micron-Sized, Monomer-Adsorbed, Crosslinked Polymer Particles Having Snowmanlike Shapes Prepared by the Dynamic Swelling Method, 3106C
Okuno, Y. See Saito, R., 3539C
Olayo, M. G.
—; Morales, J.; Cruz, G. J.; Olayo, R.; Ordoñez, E.; Barocio, S. R.: On the Influence of Electron Energy on Iodine-Doped Polyaniline Formation by Plasma Polymerization, 175P
Olayo, R. See Herrera-Ordóñez, J., 2547C; Olayo, M. G., 175P
Olson, E. A. See Kwan, A. T., 1237P
Olson, K.
—; Chen, Y.; Baker, G. L.: Inclusion Complexes of α-Cyclodextrin and (AB)n Block Copolymers, 2731C
Onimura, K. See Isobe, Y., 3556C
Ono, T. See Imaizumi, K., 13P
Opdahl, A.
—; Somorjal, G. A.: Stretched Polymer Surfaces: Atomic Force Microscopy Measurement of the Surface Deformation and Surface Elastic Properties of Stretched Polyethylene, 2263P
Oppermann, W. See Stier, U., 620C
Ordoñez, E. See Olayo, M. G., 175P
Orgueira, H. A.
—; Varela, O.: Synthesis and Characterization of Stereoregular AABB-Type Polymannaramides, 1024C
Ortiz, R. A. See Crivello, J. V., 2385C, 3578C
Osaki, K.
—; Inoue, T.; Uematsu, T.: Viscoelastic Properties of Dilute Polymer Solutions: The Effect of Varying the Concentration, 211P
—; Inoue, T.; Uematsu, T.; Yamashita, Y.: Evaluation Methods of the Longest Rouse Relaxation Time of an Entangled Polymer in a Semidilute Solution, 1704P
Ostrovskii, D. See Gavelin, P., 1519P
Oswald, T. See Nieto, J., 1616P
Ouchi, M.
—; Kamigaito, M.; Sawamoto, M.: Stereoregulation in Cationic Polymerization by Designed Lewis Acids. II. Effects of Alkyl Vinyl Ether Structure, 1060C
—; Kamigaito, M.; Sawamoto, M.: Synthesis of End-Functionalized Polymers and Copolymers of Cyclopentadiene with Vinyl Ethers by Cationic Polymerization, 398C

—; Sueoka, M.; Kamigaito, M.; Sawamoto, M.: Stereoregulation in Cationic Polymerization. III. High Isospecificity with the Bulky Phosphoric Acid $(RO)_2PO_2H$/$SnCl_4$ Initiating Systems: Design of Counteranions via Initiators, 1067C
Ouzineb, K.
—; Heredia, M. F.; Graillat, C.; McKenna, T. F.: Stabilization and Kinetics in the Emulsion Copolymerization of Butyl Acrylate and Methyl Methacrylate, 2832C
Oyama, T. See Fukushima, T., 934C, 3451C
Ozaki, Y. See Amari, T., 665C
Özyürek, C. See Çaykara, T., 277C

Pabiot, J. See Penel-Pierron, L., 1224P
Padias, A. B. See Hall, H. K., Jr., 2069C; Shin, W.-S., 1886C
Padmanabhan, M. See Vinodu, M. V., 326C
Padon, K. S.
—; Scranton, A. B.: A Mechanistic Investigation of the Three-Component Radical Photoinitiator System Eosin Y Spirit Soluble, *N*-Methyldiethanolamine, and Diphenyliodonium Chloride, 715C
Pádua, A. A. H. See Hilic, S., 2063P
Painter, P. C. See Pruthtikul, R., 1651P
Pak, J. See Pyda, M., 1565P
Pakkanen, T. T. See Liimatta, J. O., 1426C
Pakula, T. See Deimede, V., 3168C
Palmer, D. E.
—; McManus, N. T.; Penlidis, A.: Copolymerization with Depropagation: A Study of α-Methyl Styrene/Methyl Methacrylate in Solution at Elevated Temperatures, 1753C
Pan, C.-Y. See Feng, X.-S., 2233C; Guo, Y.-M., 437C, 2134C; Hong, C.-Y., 3934C
Pandey, A. K.
—; Childs, R. F.; West, M.; Lott, J. N. A.; McCarry, B. E.; Dickson, J. M.: Formation of Pore-Filled Ion-Exchange Membranes with *In Situ* Crosslinking: Poly-(vinylbenzyl ammonium salt)-Filled Membranes, 807C
Panin, A. N.
—; Dzhabieva, Z. M.; Nedorezova, P. M.; Tsvetkova, V. I.; Saratovskikh, S. L.; Babkina, O. N.; Bravaya, N. M.: Triisobutylaluminum as Cocatalyst for Zirconocenes. II. Triisobutylaluminum as a Component of a Cocatalyst System and as an Effective Cocatalyst for Olefin Polymerization Derived from Dimethylated Zirconocenes, 1915C
—; Sukhova, T. A.; Bravaya, N. M.: Triisobutylaluminum as Cocatalyst for Zirconocenes. I. Sterically Opened Zirconocene/Triisobutylaluminum/Perfluorophenylborate as Highly Effective Ternary Catalytic System for Synthesis of Low Molecular Weight Polyethylenes, 1901C
Pantazis, D.
—; Pispas, S.; Hadjichristidis, N.: Synthesis and Stability of Linear and Star Polymers Containing [C_{60}] Fullerene, 2494C
Panunzi, B. See Caruso, U., 2342C
Parchana, B. See Tabtiang, A., 380P
Paredes, N.
—; Casas, M. T.; Puiggalí, J.: Poly(ester amide)s Derived from Glycine, Even-Numbered Diols, and Dicarboxylic Acids: Considerations on the Packing, 1036P
Parent, J. S.
—; Thom, D. J.; White, G.; Whitney, R. A.; Hopkins, W.: Thermal Stability of Brominated Poly(isobutylene-*co*-isoprene), 2019C
Park, C. R. See Chang, J. Y., 1456C
Park, D.-K. See Chang, J.-H., 471P, 2581P
Park, D. S.
—; Kim, J. H.; Kim, M. J.; Kim, C. K.; Lee, J. W.: Miscibility of Polycarbonates with Copolymers Containing Cyclohexylmethacrylate, 1948P
Park, D.-W. See Park, S.-Y., 1472C
Park, E. See Kim, C., 2308C
Park, H. C. See Guiver, M. D., 2103C
Park, H.-Y. See Park, S.-Y., 1472C
Park, J. H.
—; Jung, J. C.; Sohn, B.-H.; Lee, S. W.; Ree, M.: Synthesis and Characterization of Novel Polyimides Containing Stilbene Unit in the Side Chain and Their Controllability of Nematic Liquid Crystal Alignment on the Rubbed Surfaces, 3622C
—; Sohn, B.-H.; Jung, J. C.; Lee, S. W.; Ree, M.: Synthesis and Characterization of Novel Polyimides Bearing a Side Chain Composed of Stilbene Mesogen and Undecyl Spacer and the Alignment Ability of Nematic Liquid-Crystal Molecules, 1800C
Park, J.-W. See Gal, Y.-S., 3151C, 4101C
Park, M. See Lee, S.-S., 2430P, 2589P
Park, M. S. See Cho, J., 1778P
Park, S.-J.
—; Kim, H.-C.: Thermal Stability and Toughening of Epoxy Resin with Polysulfone Resin, 121P
—; Kim, T.-J.; Lee, J.-R.: Cationic Cure of Epoxy Resin Initiated by Methylanilinium Salts as a Latent Thermal Initiator, 2397P
—; Kwak, G.-H.; Seo, M.-K.; Lee, J.-R.: Near-Infrared Spectroscopic Studies on the Cure Behaviors of the CAE/DGEBA Blend System Initiated by a Thermal Latent Catalyst, 326P
—; Seo, M.-K.; Lee, J.-R.; Lee, D.-R.: Studies on Epoxy Resins Cured by Cationic Latent Thermal Catalysts: The Effect of the Catalysts on the Thermal, Rheological, and Mechanical Properties, 187C
Park, S.-W. See Park, S.-Y., 1472C
Park, S.-Y.
—; Park, H.-Y.; Lee, H.-S.; Park, S.-W.; Ha, C.-S.; Park, D.-W.: Synthesis of Poly (2-oxo-1,3-dioxolane-4-yl) methyl methacrylate-*co*-ethyl acrylate] by Incorporation of

Carbon Dioxide into Epoxide Polymer and the Miscibility Behavior of Its Blends with Poly(methyl methacrylate) or Poly(vinyl chloride), 1472C
Park, W. H. See Cha, S. Y., 880C
Pascault, J. P. See Bonnet, A., 363P
Pasquale, A. J.
—; Long, T. E.: Synthesis of Star-Shaped Polystyrenes via Nitroxide-Mediated Stable Free-Radical Polymerization, 216C
Passaglia, E. See Castelvetro, V., 32C
Paul, D. R. See Mogri, Z., 979P
Pavlyuchenko, V. N.
—; Sorochinskaya, O. V.; Ivanchev, S. S.; Klubin, V. V.; Kreichman, G. S.; Budtov, V. P.; Skrifvars, M.; Halme, E.; Koskinen, J.: Hollow-Particle Latexes: Preparation and Properties, 1435C
Paz, Y. See Ramon, O., 1665P
Pearce, E. M. See Huang, P.-T., 841C; Wu, J., 224C
Peballk, D. A. See Barmatov, E. B., 3953C
Peeler, A. M. See Creed, D., 134C
Peerlings, H. W. I.
—; Van Benthem, R. A. T. M.; Meijer, E. W.: Fast and Convenient Construction of Carbamate/Urea-Based Dendrimers with a Diisocyanate Building Block, 3112C
Peinado, C. See Tiemblo, P., 786P
Pelton, R. See Shen, Y., 1051C
Penczek, S. See Biedron, T., 3024C; Kaluzynski, K., 955C
Penel-Pierron, L.
—; Depecker, C.; Séguéla, R.; Lefebvre, J.-M.: Structural and Mechanical Behavior of Nylon 6 Films Part I. Identification and Stability of the Crystalline Phases, 484P
—; Séguéla, R.; Lefebvre, J.-M.; Miri, V.; Depecker, C.; Jutigny, M.; Pabiot, J.: Structural and Mechanical Behavior of Nylon-6 Films. II. Uniaxial and Biaxial Drawing, 1224P
Peng, G.-D.
—; Li, A. D. Q.: Preparation of Polymer Optical Fibers Doped with Nonlinear Optical Active Organic Chromophores, 1794P
Peng, Y. See Guan, Y., 1784P
Penlidis, A. See Palmer, D. E., 1753C
Percec, V.
—; Asgarzadeh, F.: Metal-Catalyzed Living Radical Graft Copolymerization of Olefins Initiated from the Structural Defects of Poly(vinyl chloride), 1120C
—; See Asandei, A. D., 3392C
Pereña, J. M. See Cerrada, M. L., 1P
Pérez, E. See Benavente, R., 277P; Cerrada, M. L., 1P
Pérez-Foullerat, D. See Gallego, J., 1272P
Perrier, S.
—; Armes, S. P.; Wang, X. S.; Malet, F.; Haddleton, D. M.: Copper(I)-Mediated Radical Polymerization of Methacrylates in Aqueous Solution, 1696C
Peterson, S. C.
—; Echeverría, I.; Hahn, S. F.; Strand, D. A.; Schrag, J. L.: Apparent Relaxation-Time Spectrum Cutoff in Dilute Polymer Solutions: An Effect of Solvent Dynamics, 2860P
Phillips, R. A. See Wang, Z.-G., 1876P, 2982P
Phillips, S. See Fu, B. X., 2727P
Philpott, L. M. See Burdick, J. A., 683C
Pi, Z.
—; Kennedy, J. P.: Allylated PVC, 307C
—; Kennedy, J. P.: Cationic Grafting of Olefins from PVC: The Effect of Reaction Conditions, 1675C
Pietikäinen, P. See Kokko, E., 3805C
Pikus, S. See Kultys, A., 1733C
Pilcher, S. C.
—; Ford, W. T.: High Molecular Weight Poly(α-methylstyrene) Formed by Free Radical Polymerization in Emulsions, 525C
—; Ford, W. T.: Poly(phenyl methacrylate) and Poly(1-naphthyl methacrylate) Prepared in Microemulsions, 519C
Pillai, C. K. S. See Prasad, V. S., 693C, 2430C
Pimenta, M. A. See Furtado, C. A., 2572P
Pinto, J. C. See Sayer, C., 3513C
Pirozzi, B. See Silvestre, C., 415P
Pishko, M. V. See Hile, D. D., 562C
Pispas, S. See Chalari, I., 2889C; Moschogianni, P., 650C; Pantazis, D., 2494C; Tsoukatos, T., 320C
Plešek, J. See Švorčík, V., 831P
Pleska, A. See Hlavatá, D., 931P
Plessis, C.
—; Arzamendi, G.; Leiza, J. R.; Alberdi, J. M.; Schoonbrood, H. A. S.; Charmot, D.; Asua, J. M.: Seeded Semibatch Emulsion Polymerization on Butyl Acrylate: Effect of the Chain-Transfer Agent on the Kinetics and Structural Properties, 1106C
Pojman, J. A. See Manz, B., 1075C
Poland, D.
—; Enthalpy Distributions and Densities of States in Linear Polymers, 1513P
Pollicino, A. See Ameduri, B., 4227C
Polyakova, A.
—; Connor, D. M.; Collard, D. M.; Schiraldi, D. A.; Hiltner, A.; Baer, E.: Oxygen-Barrier Properties of Polyethylene Terephthalate Modified with a Small Amount of Aromatic Comonomer, 1900P
—; Liu, R. Y. F.; Schiraldi, D. A.; Hiltner, A.; Baer, E.: Oxygen-Barrier Properties of Copolymers Based on Ethylene Terephthalate, 1889P
—; Stepanov, E. V.; Sekelik, D.; Schiraldi, D. A.; Hiltner, A.; Baer, E.: Effect of Crystallization on Oxygen-Barrier Properties of Copolyesters Based on Ethylene Terephthalate, 1911P
Poncin-Epaillard, F.
—; Beunet, J.; Bulou, A.; Bardeau, J.-F.: Synthesis of a New Polymer Surface Bearing Grafted Azo Polymer Chains, 3052C
Porto, A. O. See Furtado, C. A., 2572P
Pramoda, K. P. See Lin, Y., 2215C
Prasad, V. S.
—; Pillai, C. K. S.: Copolyesters of Hydroxyphenylalkanoic Acids: Synthesis, Properties,

and *In Vitro* Degradation of Poly(4-oxybenzoate-*co*-4-oxyphenylacetate), 693C
—; Pillai, C. K. S.; Kricheldorf, H. R.: Melt-Processable Poly(oxyphenylalkanoate): Synthesis, Properties, and *In Vitro* Degradation of Poly(4-oxyphenylacetate), 2430C
Pratt, A. See Dalnoki-Veress, K., 2615P
Pratt, K. See Cass, P., 2244C, 2256C
Pretula, J. See Biedron, T., 3024C; Kaluzynski, K., 955C
Previtali, C. M. See Rivarola, C. R., 4265C; Villegas, L., 4074C
Priola, A. See Ameduri, B., 4227C
Prodpran, T. See Hodge, K., 2519P
Pruthtikul, R.
—; Coleman, M. M.; Painter, P. C.; Tan, N. B.: Screening Effects in Blends of a Hyperbranched, Dendrimer-Like Polyester with Poly(4-vinyl phenol), 1651P
Pucić, I.
—; Ranogajec, F.: Upper Liquid–Liquid Transition In Unsaturated Polyesters, 129P
Pugh, C. See Kim, G.-H., 3029P
Puiggalí, J. See Asín, L., 4283C; Paredes, N., 1036P
Pyda, M.
—; Conformational Contribution to the Heat Capacity of the Starch and Water System, 3038P
—; Di Lorenzo, M. L.; Pak, J.; Kamasa, P.; Buzin, A.; Grebowicz, J.; Wunderlich, B.: Reversible and Irreversible Heat Capacity of Poly carbonyl(ethylene-*co*-propylene)] by Temperature-Modulated Calorimetry, 1565P
—; See Annis, B. K., 2852P; Di Lorenzo, M. L., 1594P, 2969P

Qi, C.
—; Ma, D.; Hu, Y.; Yan, F.; Gao, H.; Yang, Z.; Zhou, X.; Wang, T.: The Buildup of the Electric Field during Positron Annihilation Lifetime Spectroscopy Measurement, 332P
Qian, Y. See Ma, H., 1817C
Qian, Z. See Zhou, H., 2404C
Qin, D.-Q.
—; Qin, S.-H.; Qiu, K.-Y.: Reverse Atom Transfer Radical Polymerization of Vinyl Monomers with Fe $SC(S)NEt_2\}_3$ Alone as the Catalyst, 3464C
Qin, J. See Li, Z., 3428C
Qin, S.-H.
—; Qiu, K.-Y.: Block Copolymerization of *tert*-Butyl methacrylate with α,ω-Difunctionalized Polystyrene Macroiniferter and Hydrolysis to Amphiphilic Block Copolymer, 1450C
—; See Qin, D.-Q., 3464C
Qiu, H.
—; Wan, M.: Synthesis, Characterization, and Electrical Properties of Nanostructural Polyaniline Doped with Novel Sulfonic Acids (4-{*n*- 4-(4-Nitrophenylazo)phenyloxy}-alkyl}aminobenzene Sulfonic Acid), 3485C
Qiu, K.-Y. See Dong, C.-M., 357C; Li, P., 4001C; Qin, D.-Q., 3464C; Qin, S.-H., 1450C
Quijada-Garrido, I. See Cramer, S. E., 860P
Quijada, R. See Benavente, R., 277P
Quinn, J. F. See Barner-Kowollik, C., 1353C
Quirk, R. P. See Greenberg, C. C., 2549P

Rabinowitz, S.
—; Brown, N.: Young's Modulus of Polyethylene in the Microstrain Region, 2420P
Radhakrishnan, G. See Iyer, N. P., 4236C; Srinivasan, R., 1743C
Radonjič, G.
—; Šmit, I.: Phase Morphology and Mechanical Properties of iPP/SEP Blends, 566P
Raghavan, D.
—; Gu, X.; Nguyen, T.; Vanlandingham, M.: Characterization of Chemical Heterogeneity in Polymer Systems Using Hydrolysis and Tapping-Mode Atomic Force Microscopy, 1460P
Raja, S.
—; Dhamodharan, R.: Synthesis and Characterization of Nitroglycerin-Functionalized Polystyrene, 1203C
Ramakrishnan, S. See Jayakannan, M., 1615C
Ramhani, Z. See Nomura, K., 2463C
Ramon, O.
—; Kesselman, E.; Berkovici, R.; Cohen, Y.; Paz, Y.: Attenuated Total Reflectance/Fourier Transform Infrared Studies on the Phase-Separation Process of Aqueous Solutions of Poly(*N*-isopropylacrylamide), 1665P
—; See Livney, Y. D., 2740P
Rangarajan, P. See Shobha, H. K., 2904C
Ranger, M.
—; Jones, M.-C.; Yessine, M.-A.; Leroux, J.-C.: From Well-Defined Diblock Copolymers Prepared by a Versatile Atom Transfer Radical Polymerization Method to Supramolecular Assemblies, 3861C
Ranogajec, F. See Pucić, I., 129P
Ranucci, E. See Liu, Y., 630C, 2508C
Rasmussen, J. K. See Heilmann, S. M., 3655C
Rault, J. See Judeinstein, P., 645P
Rausch, M. D. See Rhodes, B., 313C
Ray, B. See Guha, S., 3434C
Recca, A. See Ameduri, B., 4227C
Ree, M. See Park, J. H., 1800C, 3622C
Rees, M. T. L. See Tanaka, K., 3902C
Register, R. A. See Vega, D. A., 2183P
Rehnberg, N. See Annby, U., 613C
Remsen, E. E. See Becker, M. L., 4152C
Reneker, D. H. See Koombhongse, S., 2598P
Reynaud, E. See Varlot, K., 1360P
Reynolds, J. R. See Irvin, J. A., 2164C
Rhodes, B.
—; Rausch, M. D.; Chien, J. C. W.: Olefin Polymerization by Cyclopentadienyltris(dimethylamido)-titanium(IV) Complexes, 313C
Riande, E. See García, F., 1843C, 286P; Tiemblo, P., 786P

Richards, R. W. See Hutchings, L. R., 2351P
Richter, M. See Shaik, A.-A., 3371C
Rivarola, C. R.
—; Bertolotti, S. G.; Previtali, C. M.: Polymerization of Acrylamide Photoinitiated by Tris(2,2′-bipyridine)-ruthenium(II)–Amine in Aqueous Solution: Effect of the Amine Structure, 4265C
Rizzardo, E. See Cass, P., 2244C, 2256C; Evans, R. A., 202C
Robards, A. W. See Atkin, N. J., 1471P
Robello, D. R. See Andronov, A., 1366C
Robertson, C. G.
—; Wilkes, G. L.: Glass-Formation Kinetics of Miscible Blends of Atactic Polystyrene and Poly(2,6-dimethyl-1,4-phenylene oxide), 2118P
Robertson, G. P. See Guiver, M. D., 675C, 2103C
Robeson, L. M.
—; Berner, R. A.: Mechanical Properties of Emulsion Polymer Blends, 1093P
Robin, J.-J. See David, G., 2740C
Rochon, P. See Takase, H., 1686P
Rodrigues, M. R.
—; Neumann, M. G.: Cationic Photopolymerization of Tetrahydrofuran: A Mechanistic Study on the Use of a Sulfonium Salt–Phenothiazine Initiation System, 46C
Rodríguez-Galán, A. See Asín, L., 4283C
Rodríguez Hernández, J. See Klok, H.-A., 1572C
Rodríguez, M. See Vilas, J. L., 146P
Roe, C. See Gridnev, A. A., 1099C
Rollet, A.-L.
—; Gebel, G.; Simonin, J.-P.; Turq, P.: A SANS Determination of the Influence of External Conditions on the Nanostructure of Nafion Membrane, 548P
Roovers, J. See Handa, Y. P., 1505P
Rousseau, A. See Andre, S., 2414C; Bes, L., 2602C
Roviello, A. See Caruso, U., 2342C
Rowe, S. See Guiver, M. D., 2103C
Royer, J. R.
—; DeSimone, J. M.; Khan, S. A.: High-Pressure Rheology and Viscoelastic Scaling Predictions of Polymer Melts Containing Liquid and Supercritical Carbon Dioxide, 3055P
Ruckenstein, E.
—; Chen, X.: An Ambient Self-Curable Latex Based on Colloidal Dispersions in Water of Two Functionalized Polymers and the Thermally Reversible Crosslinked Films Generated, 389C
—; Zhang, H.: Novel Copolymer Networks via the Combination of Polyaddition and Anionic Polymerization, 117C
—; See Li, H., 757C
Rufs, A. M. See Villegas, L., 4074C
Ruggeri, G. See Brustolin, F., 253C
Ruppenstein, M. See Bachmann, F., 2332C
Russell, G. T. See Tanaka, K., 3902C
Russell, T. P. See Kim, H.-C., 663P, 1848P
Ruth, P. See Fu, B. X., 2727P
Rybka, V. See Švorčík, V., 831P
Ryntz, R. A. See Tong, J.-D., 239C
Rytter, E. See Liu, J., 3566C

Saha, S. K. See Bhattacharyya, S., 1935P
Saito, R.
—; Okuno, Y.; Kobayashi, H.: Synthesis of Polymers by Template Polymerization. I. Template Polymerization of Poly(methacrylic acid) with β-Cyclodextrin, 3539C
Saito, Y. See Wada, M., 168P
Sajjadi, S.
—; Particle Formation under Monomer-Starved Conditions in the Semibatch Emulsion Polymerization of Styrene. I. Experimental, 3940C
Sakai, H.
—; Kihara, Y.; Fujita, K.; Kodani, T.; Nomura, M.: Determination of Propagation-Rate Constant of Vinylidene Chloride by Emulsion Polymerization, 1005C
—; See Sugihara, S., 3190C
Sakai, K. See Ebara, M., 335C
Sakai, W.
—; Chiga, K.; Tsutsumi, N.: Nonlinear Optical (NLO) Polymers. IV. Second-Order Optical Nonlinearity of NLO Polyurea and Copolyurea with NLO Dipole Moments Aligned Transverse to the Main Backbone, 247P
—; Kinoshita, M.; Nagata, M.; Tsutsumi, N.: ESR Studies of Photosensitized Degradation of Poly(L-lactic acid) via Photoionization of Dopant, 706C
—; See Nagata, M., 2896C
Sakurai, S. See Imaizumi, K., 13P
Salem, D. R. See Vasanthan, N., 536P
Salvador, E. F. See Tiemblo, P., 786P
Samios, D. See Castiglia, S. R. V., 1326P
Samuels, R. See Liu, T., 2481P
Sanchez, C. See Judeinstein, P., 645P
Sánchez-Chaves, M. See Fernández-Monreal, C., 2043C
Sanda, F.
—; Endo, T.: Highlight. Radical Ring-Opening Polymerization, 265C
—; Fujiyama, T.; Endo, T.: Chemical Synthesis of Poly-γ-glutamic Acid by Polycondensation of γ-Glutamic Acid Dimer: Synthesis and Reaction of Poly-γ-glutamic Acid Methyl Ester, 732C
—; Hitomi, M.; Endo, T.: Equilibrium Polymerization Behavior in the Cationic Single Ring-Opening Polymerization of Bicyclo Orthoesters, 3159C
—; See Kim, M. S., 3365C, 3832C; Kudo, H., 23C; Miyagawa, T., 1629C; Nagai, D., 2078C; Nemoto, N., 1305C; Steblyanko, A., 3967C; Tomita, H., 162C, 851C, 860C, 3678C, 4091C; Xin, Z., 2620C; Yamamoto, S.-I., 1564C
Sandhir, U. See Sengupta, S. K., 1584C

Sandreczki, T. C. See Wu, Y. C., 2290P; Zhang, R., 2035P
Sangermano, M. See Crivello, J. V., 343C
Sankarapandian, M. See Shobha, H. K., 2904C
Sanz, R. See García, J. M., 1825C
Saratovskikh, S. L. See Panin, A. N., 1915C
Sasaki, N. See Fujii, S., 1976P
Sasaki, Y. See Moriya, O., 1C
Sata, H. See Kimura, T., 1942P
Sato, M. See Sudo, A., 3789C
Sato, T.
—; Maeda, Y.; Seno, M.; Hirano, T.: Radical Heterogeneous Polymerization Behavior of *N*-Methyl-α-Fluoroacrylamide in Benzene, 2196C
—; Oki, T.; Seno, M.; Hirano, T.: Radical and Cationic Polymerizations of 3-Ethyl-3-methacryloyloxymethyloxetane, 1269C
—; Takahashi, T.; Seno, M.; Hirano, T.: Vinyl Polymerization with a Binary System of *p*-Chlorobenzenediazonium Salt and Sodium Tetraphenylborate, 4206C
Satoh, T. See Narumi, A., 4061C
Sauer, J. A. See Chen, W. C., 2653P, 2888P
Sautereau, H. See Bonnet, A., 363P
Sawamoto, M. See Katayama, H., 1249C, 1258C; Ouchi, M., 398C, 1060C, 1067C
Saxton, R. G. See Mishra, M., 947C
Sayer, C.
—; Araújo, P. H. H.; Arzamendi, G.; Asua, J. M.; Lima, E. L.; Pinto, J. C.: Modeling Molecular Weight Distribution in Emulsion Polymerization Reactions with Transfer to Polymer, 3513C
Scandola, M. See Focarete, M. L., 1721P
Schaefer, J. See Wu, J., 1730P
Scheinbeim, J. I. See Jayasuriya, A. C., 2793P
Scherble, J.
—; Thomann, R.; Iván, B.; Mülhaupt, R.: Formation of CdS Nanoclusters in Phase-Separated Poly(2-hydroxyethyl methacrylate)-*l*-polyisobutylene Amphiphilic Conetworks, 1429P
Scherman, D. See Masson, C., 4022C
Schiettekatte, F. See Kwan, A. T., 1237P
Schilling, P. J. See Furtado, C. A., 2572P
Schiraldi, D. A. See Polyakova, A., 1889P, 1900P, 1911P
Schirokauer, A. See Jayasuriya, A. C., 2793P
Schlüter, A. D.
—; Highlight. The Tenth Anniversary of Suzuki Polycondensation (SPC), 1533C
—; See Vetter, S., 1940C
Schmälzlin, E. See Serhatli, I. E., 1589C
Schmidt, A. See Sluszny, A., 8C
Schmidt, D. L. See Hoyle, C. E., 571C
Schmidt-Rohr, K. See Bonagamba, T. J., 2444P; Gelfer, M. Y., 2774P
Schmidt, S. C.
—; Hillmyer, M. A.: Polylactide Stereocomplex Crystallites as Nucleating Agents for Isotactic Polylactide, 300P
Schoonbrood, H. A. S. See Plessis, C., 1106C
Schork, F. J. See Luo, Y., 2696C
Schrag, J. L. See Peterson, S. C., 2860P
Schuld, N.
—; Wolf, B. A.: Solvent Quality as Reflected in Concentration- and Temperature-Dependent Flory–Huggins Interaction Parameters, 651P
Schwecke, C.
—; Kaminsky, W.: Syndiospecific Polymerization of Styrene with $BzCpTiCl_3$ and Methylaluminoxane as Cocatalysts, 2805C
Schwendeman, I. See Irvin, J. A., 2164C
Scranton, A. B. See Padon, K. S., 715C
Scriven, L. E. See Dabral, M., 1824P
Se, J.
—; Han, C.-S.; Han, H.: Water-Sorption Behaviors of Poly(3,4′-Oxydiphenylene Pyromellitimide) Films Depending on the Thickness Variation, 669P
Sebastian, J. M. See Vega, D. A., 2183P
Segal, E.
—; Haba, Y.; Narkis, M.; Siegmann, A.: On the Structure and Electrical Conductivity of Polyaniline/Polystyrene Blends Prepared by an Aqueous-Dispersion Blending Method, 611P
Segawa, Y. See Aoshima, S., 751C
Seguchi, T. See Yamazaki, T., 2151C
Séguéla, R. See Penel-Pierron, L., 484P, 1224P
Sekelik, D. See Polyakova, A., 1911P
Seki, M.
—; Yamamoto, S.; Aoki, Y.; Takagi, K.; Izumi, Y.; Nojima, S.: Small-Angle X-Ray Scattering Study of Thermoreversible Poly(vinyl chloride) Gels, 2340P
Sen, A. See Liu, S., 446C
Sengupta, S. K.
—; Sandhir, U.; Misra, N.: A Study on Acrylamide Polymerization by Anodic Contact Glow-Discharge Electrolysis: A Novel Tool, 1584C
Şenkal, B. F.
—; Hizal, G.; Biçak, N.: Atom Transfer Radical Polymerization through *N*-Chlorosulfonamides, 2691C
Seno, M. See Sato, T., 1269C, 2196C, 4206C
Senthil, S.
—; Kannan, P.: Ferrocene-Based Organophosphorus Liquid–Crystalline Polymers: Synthesis and Characterization, 2396C
Seo, J. K. See Lee, T. B., 594P
Seo, K. S.
—; Caflisch, G. B.: Molecular Dimensions and Melt Rheology of an All-Aromatic Liquid Crystalline Polymer, 2378P
Seo, M.-K. See Park, S.-J., 187C, 326P
Seppälä, J. See Jokela, K., 1860P
Seppälä, J. V. See Ekholm, P., 127C; Kokko, E., 3805C
Serhatli, I. E.
—; Yagci, Y.; Hattemer, E.; Zentel, R.; Schmälzlin, E.; Hohenadl, S.; Bräuchle, C.; Meerholz, K.: Crosslinkable Maleimide Copolymers for Stable NLO Properties, 1589C
Serimaa, R. See Jokela, K., 1860P

Setojima, D. See Shimura, Y., 3893C
Shah, R. See Möller, M., 3529C
Shaik, A.-A.
—; Richter, M.; Kricheldorf, H. R.; Krüger, R.-P.: New Polymer Syntheses. CIX. Biodegradable, Alternating Copolyesters of Terephthalic Acid, Aliphatic Dicarboxylic Acids, and Alkane Diols, 3371C
Shanahan, M. E. R. See Guiu, A., 2843P
Shanks, R. A. See Freischmidt, H. M., 1803P
Sharma, A. C.
—; Joshi, V.; Borovik, A. S.: Surface Grafting of Cobalt Complexes on Polymeric Supports: Evidence for Site Isolation and Applications to Reversible Dioxygen Binding, 888C
Shastri, V. See Tarcha, P. J., 4189C
Sheares, V. V. See Bloom, P. D., 3505C; Wu, L., 3227C
Shelby, M. D.
—; Hill, A. J.; Burgar, M. I.; Wilkes, G. L.: The Effects of Molecular Orientation on the Physical Aging and Mobility of Polycarbonate—Solid State NMR and Dynamic Mechanical Analysis, 32P
Shen, D. See Tsang, O. C., 2906P
Shen, G.-M.
—; Chen, C.-C.; Tsiang, R. C.-C.: Synthesis of an Amphiphilic Styrenic Block Copolymer: Polycondensation of Dichloromethane and Low Molecular Weight Poly(ethylene glycol) in the Presence of Hydroxypropylated Polystyrene-*block*-Polybutadiene, 2625C
Shen, Y.
—; Zhu, S.; Zeng, F.; Pelton, R.: Supported Atom Transfer Radical Polymerization of Methyl Methacrylate Mediated by CuBr-Tetraethyldiethylenetriamine Grafted onto Silica Gel, 1051C
—; See Jiang, C., 3780C
Shenogina, N. B. See Hodge, K., 2519P
Sheppard, S. See Finlay, J., 1404P
Sheradsky, T. See Silcoff, E. R., 872C
Sherrington, D. C.
—; Polymer-Supported Reagents, Catalysts, and Sorbents: Evolution and Exploitation—A Personalized View, 2364C
Shibaev, V. P. See Barmatov, E. B., 3953C
Shimazaki, M. See Takahashi, M., 91P, 943P
Shimojo, M. See Ishiyama, C., 3103P
Shimomura, O.
—; Tomita, I.; Endo, T.: Application of Novel Polymers with *S*-Alkylsulfonium Salt Moieties as Alkylating Agents and Thermal Latent Cationic Initiators, 3928C
—; Tomita, I.; Endo, T.: Curing Behavior of Epoxy Resin Initiated by *S*-Alkylsulfonium Salts of Aromatic Sulfides as Thermal Latent Cationic Initiators, 868C
Shimura, T. See Kasashima, Y., 1877C
Shimura, Y.
—; Hashimoto, K.; Yamanaka, C.; Setojima, D.: Synthesis and Polymerization of New Styryl and Methacryloyl Monomers Containing Acidic Saccharide Moieties, 3893C
Shin, E. E. See Lincoln, J. E., 2947P
Shin, W.-S.
—; Padias, A. B.; Hall, H. K., Jr.: Homopolymerization and 2 + 4}/ 3 + 2} Cycloaddition in the Reaction of Nitroethylene with Vinyl Ethers, 1886C
Shinagawa, Y. See Kimura, T., 1942P
Shinoda, K. See Kasashima, Y., 1877C
Shinton, S. E. See Williams, G., 1173P
Shirahama, H.
—; Mizuma, K.; Umemoto, K.; Yasuda, H.: Synthesis of Poly(lactide-*ran*-MOHEL) and Its Biodegradation with Proteinase K, 1374C
Shirai, H. See Watanabe, M., 1061P
Shirai, K. See Shirai, Y., 2157C
Shirai, M. See Suyama, K., 1708C; Tachi, H., 1329C
Shirai, T. See Higashi, F., 3884C
Shirai, Y.
—; Shirai, K.; Tsubokawa, N.: Effective Grafting of Polymers onto Ultrafine Silica Surface: Photopolymerization of Vinyl Monomers Initiated by the System Consisting of Trichloroacetyl Groups on the Surface and $Mn_2(CO)_{10}$, 2157C
Shiroi, T. See Endo, K., 145C
Shitagaki, S. See Kasashima, Y., 1877C
Shobha, H. K.
—; Johnson, H.; Sankarapandian, M.; Kim, Y. S.; Rangarajan, P.; Baird, D. G.; McGrath, J. E.: Synthesis of High Refractive-Index Melt-Stable Aromatic Polyphosphonates, 2904C
Shu, C.-F. See Wu, F.-I., 2536C, 3851C
Shull, K. R. See Fabbroni, E. F., 3090P
Shyichuk, A.
—; Shyichuk, I.; Wu, G.; Katsumura, Y.: Quantitative Analysis of the Temperature Effect on the Radiation Crosslinking and Scission of Polyethylene Macromolecules, 1656C
Shyichuk, I. See Shyichuk, A., 1656C
Shyu, G. D.
—; Isayev, A. I.; Li, C. T.: Photoviscoelastic Behavior of Amorphous Polymers during Transition from the Glassy to Rubbery State, 2252P
Shyu, J.-Y. See Lin, K.-F., 3085C
Šics, I. See Denchev, Z., 881P
Siegmann, A. See Segal, E., 611P
Sigalov, G. See Thaweephan, P., 1605P
Sikorski, P. See Furuhashi, Y., 2622P
Silcoff, E. R.
—; Asadi, A. S. I.; Sheradsky, T.: Synthesis of Polymers with Isolated Thiophene–Arylidene–Thiophene Chromophores for Enhanced and Specific Electron/Hole Transport, 872C
Silva, G. G. See Furtado, C. A., 2572P; Song, M., 1659P
Silva, R. A. See Furtado, C. A., 2572P
Silverstein, M. S. See Sluszny, A., 8C

Silvestre, C.
—; Di Pace, E.; Napolitano, R.; Pirozzi, B.; Cesario, G.: Crystallization, Morphology, and Thermal Behavior of Poly(*p*-phenylene sulfide), 415P
Simha, R. See Utracki, L. A., 342P
Simko, S. R. See Tan, L.-S., 2539P
Simon, G. P. See Habsuda, J., 1342C
Simonin, J.-P. See Rollet, A.-L., 548P
Siow, K.-S. See Xu, X.-J., 1634C
Sirigu, A. See Beltrani, T., 1162C; Caruso, U., 2342C
Skillas, G. See Bafna, A., 2923P
Skrifvars, M. See Pavlyuchenko, V. N., 1435C
Slone, R. V. See Liao, Y., 3356C
Sloop, C. C.
—; Ade, H.; Fornes, R. E.; Gilbert, R. D.; Smith, A. P.: Near-Edge X-Ray Absorption Fine Structure (NEXAFS) Microscopy of a Polycarbonate/Poly(acrylonitrile/butadiene/styrene) Blend, 531P
Sluszny, A.
—; Silverstein, M. S.; Kababya, S.; Schmidt, A.; Narkis, M.: Novel Semi-IPN through Vinyl Silane Polymerization and Crosslinking within PVC Films, 8C
Šmit, I. See Radonjič, G., 566P
Smith, A. P.
—; Douglas, J. F.; Meredith, J. C.; Amis, E. J.; Karim, A.: High-Throughput Characterization of Pattern Formation in Symmetric Diblock Copolymer Films, 2141P
—; See Sloop, C. C., 531P
Smith, G. B. See Tanaka, K., 3902C
Smith, G. D. See Byutner, O., 3067P
Smith, S. D. See Spontak, R. J., 947P
Soares, D. A. W. See De Queiroz, A. A. A., 459P
Soares, J. B. P. See Nieto, J., 1616P
Söderqvist Lindblad, M. See Liu, Y., 630C
Sohn, B.-H. See Park, J. H., 1800C, 3622C
Solaro, R. See Altomare, A., 2957C
Somani, R. H. See Fu, B. X., 2727P
Sommerdijk, N. A. J. M. See Cornelissen, J. J. L. M., 4255C; Kros, A., 468C
Somorjal, G. A. See Opdahl, A., 2263P
Son, D. Y. See Xiao, Y., 3383C
Song, C. X. See Alferiev, I. S., 105C
Song, H. H.
—; Cho, T.-Y.; Heberer, D. P.; Dang, T. D.; Arnold, F. E.; Tan, L.-S.: Poly(2,5-dihydroxy-1,4-phenylene benzobisthiazole)/Poly(1,4-phenylene benzobisthiazole) Copolymers: Chain Packing and Properties, 559P
Song, J. W.
—; Ghim, H. D.; Choi, J. H.; Ko, S.-W.; Lyoo, W. S.: Preparation of Antimicrobial Sodium Alginate with Chito-oligosaccharide Side Chains, 1810C
Song, M.
—; Hourston, D. J.; Silva, G. G.; Machado, J. C.: Effect of Residual Water and Free Volume on the Glass-Transition Temperature and Heat Capacity in Polystyrene/Poly(vinyl acetate-*co*-butyl acrylate) Structured Latex Films, 1659P
Song, Y. See Zheng, Q., 2833P
Sorochinskaya, O. V. See Pavlyuchenko, V. N., 1435C
Sostero, S. See Mortara, S., 4243C
Spasiano, D. See Caruso, U., 2342C
Spiess, H. W. See Cramer, S. E., 860P
Spiliopoulos, I. K.
—; Mikroyannidis, J. A.: Poly(pyridinium salt)s with Stilbene or Distyrylbenzene Chromophores, 2454C
Spontak, R. J.
—; Smith, S. D.: Perfectly-Alternating Linear $(AB)_n$ Multiblock Copolymers: Effect of Molecular Design on Morphology and Properties, 947P
Spry, R. J. See Tan, L.-S., 2539P
Sreekala, M. S.
—; George, J.; Kumaran, M. G.; Thomas, S.: Water-Sorption Kinetics in Oil Palm Fibers, 1215P
Srinivas, S. See Wang, Z.-G., 2982P
Srinivasan, R.
—; Radhakrishnan, G.: Synthesis and Characterization of Liquid–Crystalline Polyesters with Chiral and Achiral Twin Spacers, 1743C
Stamm, M. See Mahltig, B., 709P
Staples, T. L. See Wolf, R. A., 1391C
Starck, P. See Jokela, K., 1860P
Start, P. R. See Grady, B. P., 197P
Steblyanko, A.
—; Choi, W.; Sanda, F.; Endo, T.: Substituent Effect on the Cationic Ring-Opening Polymerization of Acyloxymethyl Five-Member Cyclic Dithiocarbonates, 3967C
Steinke, G. See Warwel, S., 1601C
Stenzel-Rosenbaum, M.
—; Davis, T. P.; Chen, V.; Fane, A. G.: Star-Polymer Synthesis via Radical Reversible Addition–Fragmentation Chain-Transfer Polymerization, 2777C
Stepanov, E. V. See Polyakova, A., 1911P
Stevens, M. G. See Nissen, K. E., 623P
Steward, A. G. See Haddleton, D. M., 2378C
Stewart, M. E. See Dhoot, S. N., 1160P
Stieger, M. See Müh, E., 4274C
Stier, U.
—; Oppermann, W.: Studies on the Formation and Characterization of Poly(trimethylene 2,6-naphthalenedicarboxylate), 620C
Stoll, B. See Mohammady, S. Z., 2198P
Støvneng, J. A. See Liu, J., 3566C
Strand, D. A. See Peterson, S. C., 2860P
Stribeck, N.
—; Wutz, C.: Shape and Position of Middle-Angle Scattering Peaks from Smectic Phases of Polymers, 1749P
Stuart, B. H. See Nissen, K. E., 623P
Su, G. See Li, H., 3278C
Su, L. See Tarcha, P. J., 4189C

Subramanian, P. See Creed, D., 134C
Sudo, A.
—; Sato, M.; Endo, T.: Reduction of the 2-Azetidinone Moiety in the Polymer Main Chain: A Novel Synthetic Route to Polyamine with Hydroxymethyl Pendant, 3789C
—; Uchino, S.; Endo, T.: Application of Ketenes to Well-Defined Polyester Synthesis. III. Living Anionic Polymerization of Ethyl(4-methoxyphenyl)ketene—Development of Polyester Having Masked Phenol Side Chain, 1596C
—; Uchino, S.; Endo, T.: Application of Ketenes to Well-Defined Polyester Synthesis. II. Synthesis of Reactive Polyester by Living Anionic Polymerization of (4-Halophenyl)ethylketene, 2093C
—; See Gao, X., 453C, 800C; Nagai, D., 2078C
Sudol, E. D. See Budhlall, B. M., 3633C; Wang, X., 3093C
Sue, H.-J. See Xia, Z., 1394P; Xiang, C., 47P
Sueoka, M. See Ouchi, M., 1067C
Sugihara, S.
—; Matsuzono, S.-I.; Sakai, H.; Abe, M.; Aoshima, S.: Syntheses of Amphiphilic Block Copolymers by Living Cationic Polymerization of Vinyl Ethers and Their Selective Solvent-Induced Physical Gelation, 3190C
Sugimoto, M.
—; Masubuchi, Y.; Takimoto, J.; Koyama, K.: Melt Rheology of Polypropylene Containing Small Amounts of High Molecular Weight Chain. I. Shear Flow, 2692P
Sugioka, T.
—; Hay, A. S.: Synthesis of Fully Lower-Rim, Carbonate-Bridged Calix 8]arenes and Their Curing Behavior, 1149C
—; Hay, A. S.: Synthesis of Novel Poly(thioether-naphthalamide)s that Utilize Hydrazine as the Diamine, 1040C
Sugishita, K. See Higashi, F., 3884C
Sugiyama, J.-I. See Nishio, A., 416C
Sugizaki, T. See Matsubara, Y., 2125C; Moriya, O., 1C
Suh, K. Y.
—; Lee, H. H.: Size Asymmetry in Diblock Copolymers of Cylindrical Morphology in Thin Films, 2217P
Sui, Y.
—; Lu, J.-X.; Yin, J.; Liu, Y.-G.; Zhu, Z.-K.; Wang, Z.-G.: Study on Side-Chain Second-Order Nonlinear Optical Polyimides Based on Novel Chromophore-Containing Diamines. II. Copolyimides Possessing Direct Photolithographic Features, 1419C
—; Yin, J.; Hou, Z.; Zhu, N.; Lu, J.; Liu, Y.; Zhu, Z.; Wang, Z.: A Facile Approach To Prepare Soluble Side-Chain Polyimides for Second-Order Nonlinear Optics, 2189C
Sukawa, H. See Itoh, M., 2658C
Sukhova, T. A. See Panin, A. N., 1901C
Sukumaran, S. See Bafna, A., 2923P
Summers, C. A. See Summers, G. J., 2058C
Summers, G. J.
—; Ndawuni, M. P.; Summers, C. A.: Tertiary Amine-Functionalized Polymers by Atom Transfer Radical Polymerization, 2058C
Sun, G. See Sun, Y., 3073C, 3348C
Sun, S.
—; Mak, A. F. T.: The Dynamical Response of a Hydrogel Fiber to Electrochemical Stimulation, 236P
Sun, Y.
—; Chen, T.-Y.; Worley, S. D.; Sun, G.: Novel Refreshable *N*-Halamine Polymeric Biocides Containing Imidazolidin-4-one Derivatives, 3073C
—; Sun, G.: Durable and Refreshable Polymeric *N*-Halamine Biocides Containing 3-(4′-vinylbenzyl)-5,5-dimethylhydantoin, 3348C
—; Wan, D.; Huang, J.: Preparation of a Copolymer of Methyl Methacrylate and 2-(Dimethylamino)ethyl Methacrylate with Pendant 4-Benzyloxy-2,2,6,6-tetramethyl-1-piperidinyloxy and its Initiation of the Graft Polymerization of Styrene by a Controlled Radical Mechanism, 604C
Sundholm, F. See Walsby, N., 3008C
Sundholm, G. See Walsby, N., 3008C
Sung, S.-C. See Ma, C.-C. M., 2436P
Suwier, D. R. See Vanhaecht, B., 833C
Suyama, K.
—; Yamaguchi, S.; Shirai, M.; Tsunooka, M.: Enhanced Dissolution of Copolymers Bearing Photobase- or Photoacid-Generating Groups in Polar Solvents by Photochemical Formation of Ionic Pairs, 1708C
Suzuki, A.
—; Kawada, T.; Hasegawa, T.: Changes in Superstructure and Mechanical Properties of Poly(ethylene-2,6-naphthalate) Fibers with Critical Necking Tension, 1629P
Suzuki, K.-I. See Yamaguchi, M., 2159P
Suzuki, M. See Watanabe, M., 1061P
Suzuki, R. See Wu, Y. C., 2290P; Zhang, R., 2035P
Švorčík, V.
—; Králová, J.; Rybka, V.; Plešek, J.; Červená, J.; Hnatowicz, V.: Temperature Dependence of the Permittivity of Polymer Composites, 831P
Swift, G. See Liao, Y., 3356C
Szadkowska-Nicze, M.
—; Mayer, J.: Long-Lived Species Generated via Irradiation of Poly(methyl methacrylate) Containing Pyrene, 4110C
Szczubiałka, K.
—; Loska, R.; Nowakowska, M.: Temperature-Induced Aggregation of the Copolymers of *N*-Isopropylacrylamide and Sodium 2-Acrylamido-2-methyl-1-propanesulphonate in Aqueous Solutions, 2784C
Szydlowski, J.
—; Van Hook, W. A.: Osmotic Compressibility in Dilute Polystyrene-Cyclohexane and Polystyrene-Methylcyclohexane Solutions: Correlation of Polystyrene

Virial Coefficients with Solvent Quality, 184P

Tabtiang, A.
—; Parchana, B.; Venables, R. A.; Inoue, T.: Melt-Flow-Induced Phase Morphologies of a High-Density Polyethylene/Poly(ethylene-*co*-1-octene) Blend, 380P
Tachi, H.
—; Yamamoto, T.; Shirai, M.; Tsunooka, M.: Photochemical Reactions of Quaternary Ammonium Dithiocarbamates as Photobase Generators and Their Use in the Photoinitiated Thermal Crosslinking of Poly(glycidyl methacrylate), 1329C
Taguchi, M.
—; Tomita, I.; Yoshida, Y.; Endo, T.: Preparation of End-π-Allylnickel Macroinitiator from Poly(ethylene glycol) Allenyl Methyl Ether and Its Application to the Living Coordination Polymerization of Isonitriles, 495C
Takagi, K. See Seki, M., 2340P
Takahashi, M.
—; Shimazaki, M.: Formation of Junction Zones in Thermoreversible Methylcellulose Gels, 943P
—; Shimazaki, M.; Yamamoto, J.: Thermoreversible Gelation and Phase Separation in Aqueous Methyl Cellulose Solutions, 91P
Takahashi, R. See Ochi, M., 1071P
Takahashi, T. See Sato, T., 4206C
Takahashi, Y.
—; Resonance Raman Spectra of Poly-(*p*-phenylenebenzobisoxazole), Poly-(*p*-phenylenebenzobisthiazole), and Poly(pyridobisimidazole), 1791P
—; See Nakamura, K., 1371P
Takase, H.
—; Natansohn, A.; Rochon, P.: Effect of Crosslinking on the Photoinduced Orientation of Azo Groups in Thin Polymer Films, 1686P
Takeda, K. See Imaizumi, K., 13P
Takeichi, T.
—; Agag, T.; Zeidam, R.: Preparation and Properties of Polybenzoxazine/Poly(imide-siloxane) Alloys: *In Situ* Ring-Opening Polymerization of Benzoxazine in the Presence of Soluble Poly(imide-siloxane)s, 2633C
—; Zuo, M.; Hasegawa, M.: Role of the In-Plane Orientation of Polyimide Films in Graphitization, 3011P
Takeuchi, K. See Hayakawa, T., 2287C; Nishio, A., 416C; Okazaki, M., 78C
Takimoto, J. See Sugimoto, M., 2692P
Tamami, B.
—; Yeganeh, H.: Preparation and Properties of Novel Polyimides Derived from 4-Aryl-2,6 Bis(4-amino phenyl)pyridine, 3826C
Tan, C.
—; Fung, B. M.: Birefringence and Dichroism of Oriented Epoxy Thermoset Films, 915P
Tan, L.-S.
—; Simko, S. R.; Bai, S. J.; Vaia, R. A.; Taylor, B. E.; Houtz, M. D.; Alexander, M. D., Jr.; Spry, R. J.: Phase-Separated, Conducting Composites from Polyaniline and Benzobisthiazole Rigid-Rod Polymer, 2539P
—; See Song, H. H., 559P
Tan, N. B. See Pruthtikul, R., 1651P
Tan, S. See Yang, X., 729P
Tan, T. T. M. See Benkhati, H., 2130P
Tanaka, K.
—; Furo, M.; Ihara, E.; Yasuda, H.: Unique Dual Function of La(C_5Me_5) $CH(SiMe_3)_2]_2$(THF) for Polymerizations of Both Nonpolar and Polar Monomers, 1382C
—; Yamada, B.; Fellows, C. M.; Gilbert, R. G.; Davis, T. P.; Yee, L. H.; Smith, G. B.; Rees, M. T. L.; Russell, G. T.: Pulsed-Laser Polymerization-Gel Permeation Chromatographic Determination of the Propagation-Rate Coefficient for the Methyl Acrylate Dimer: A Sterically Hindered Monomer, 3902C
Tanaka, M. See Ichikawa, K., 2175P
Tang, T. See Liu, C., 2085C
Tang, X. See Zhu, W., 1246P
Tanigaki, N.
—; Yoshida, Y.; Kaito, A.; Yase, K.: Total-Reflection X-Ray Diffraction Study of Friction-Transferred Poly(tetrafluoroethylene) Film, 432P
Tanigawa, S. See Uedono, A., 835P
Taniguchi, Y. See Narumi, A., 4061C
Tanimura, S.
—; Matsuoka, T.; Nakano, M.; Usuki, A.: Molecular Dynamics Study of the Stereostructure of 1,4-Linked Poly(cyclohexa-1,3-diene) Obtained with π-Allylnickel-Based Catalysts, 973P
Tarcha, P. J.
—; Su, L.; Baker, T.; Langridge, D.; Shastri, V.; Langer, R.: Stability of Photocurable Anhydrides: Methacrylic Acid Mixed Anhydrides of Nontoxic Diacids, 4189C
Tashiro, K.
—; Hama, H.; Yoshino, J.-I.; Abe, Y.; Kitagawa, T.; Yabuki, K.: Confirmation of the Crystal Structure of Poly(*p*-phenylene benzobisoxazole) by the X-Ray Structure Analysis of Model Compounds and the Energy Calculation, 1296P
—; See Abe, Y., 689P; Zhou, S.-M., 1638P
Taylor, B. E. See Tan, L.-S., 2539P
Teerenstra, M. N. See Vanhaecht, B., 833C
Tenhu, H. See Virtanen, J., 3716C
Thames, S. F. See Hoyle, C. E., 571C
Thang, S. H. See Busfield, W. K., 2911C; Cresidio, S. P., 1232C
Thaweephan, P.
—; Meng, S.; Sigalov, G.; Kim, H. K.; Choi, S. H.; Kyu, T.: Effect of Aromatic Substitution on Phase Behavior of Blends of Halogenated Polystyrene and Conventional Polystyrene, 1605P
Thi, H. N. L. See Guiver, M. D., 2103C
Thiem, J. See Bachmann, F., 2332C
Thom, D. J. See Parent, J. S., 2019C
Thomann, R. See Scherble, J., 1429P

Thomas, S. See Sreekala, M. S., 1215P
Thompson, R. L. See Hutchings, L. R., 2351P
Tian, M.
—; Loos, J.: Investigations of Morphological Changes during Annealing of Polyethylene Single Crystals, 763P
Tiarks, F.
—; Landfester, K.; Antonietti, M.: One-Step Preparation of Polyurethane Dispersions by Miniemulsion Polyaddition, 2520C
Tiemblo, P.
—; Guzmán, J.; Riande, E.; Salvador, E. F.; Peinado, C.: Gas-Transport Properties in Crosslinked Polymers. I. Aliphatic Polyurethane–Acrylate-Based Adhesives, 786P
Tijssen, R. See Van Bruijnsvoort, M., 1756P
Tillman, E. S.
—; Nossarev, G. G.; Hogen-Esch, T. E.: Reactions of Polystyryllithiums and Model Lithium Carbanions with 9,10-Bis(halomethyl)-anthracenes, 3121C
Tirelli, N. See Altomare, A., 2957C
Tjong, S. C. See Meng, Y. Z., 3218C
Tobita, H.
—; Dimensions of Branched Polymers Formed in Simultaneous Long-Chain Branching and Random Scission, 2960P
—; Simultaneous Long-Chain Branching and Random Scission: I. Monte Carlo Simulation, 391P
—; Simultaneous Long-Chain Branching and Random Scission. II. Analytic Expression for the Weight-Average Molecular Weights, 404P
Todd, E. K. See Abd-El-Aziz, A. S., 1216C
Toh, H. See Habsuda, J., 1342C
Tokudome, S. See Yasuniwa, M., 2005P
Tolman, W. B. See Aubrecht, K. B., 284C
Tomczak, S. See Xie, D., 1403C
Tomita, H.
—; Sanda, F.; Endo, T.: Model Reaction for the Synthesis of Polyhydroxyurethanes from Cyclic Carbonates with Amines: Substituent Effect on the Reactivity and Selectivity of Ring-Opening Direction in the Reaction of Five-Membered Cyclic Carbonates with Amine, 3678C
—; Sanda, F.; Endo, T.: Polyaddition Behavior of bis(Five- and Six-Membered Cyclic Carbonate)s with Diamine, 860C
—; Sanda, F.; Endo, T.: Polyaddition of Bis(seven-membered cyclic carbonate) with Diamines: A Novel and Efficient Synthetic Method for Polyhydroxyurethanes, 4091C
—; Sanda, F.; Endo, T.: Reactivity Comparison of Five- and Six-Membered Cyclic Carbonates with Amines: Basic Evaluation for Synthesis of Poly(hydroxyurethane), 162C
—; Sanda, F.; Endo, T.: Structural Analysis of Polyhydroxyurethane Obtained by Polyaddition of Bifunctional Five-Membered Cyclic Carbonate and Diamine Based on the Model Reaction, 851C
Tomita, I. See Ochiai, B., 1016C; Shimomura, O., 868C, 3928C; Taguchi, M., 495C
Tomoi, M. See Fukushima, T., 934C, 3451C
Tong, H. See Li, H., 3278C
Tong, J.-D.
—; Moffitt, M.; Huang, X.; Winnik, M. A.; Ryntz, R. A.: Use of a Dye-Labeled Ethylene-Butene Copolymer as a Tracer in Laser Scanning Confocal Fluorescence Microscopy Studies of Thermoplastic Olefins, 239C
Tong, S. See Li, H., 3278C
Tong, Z. See Yang, Y., 901P
Tookey, S. See Finlay, J., 1404P
Torkkeli, M. See Jokela, K., 1860P
Törnqvist, J. See Gällstedt, M., 985P
Trzesniak, P. See De Queiroz, A. A. A., 459P
Tsang, O. C.
—; Xie, F.; Tsui, O. K. C.; Yang, Z.; Zhang, J.; Shen, D.; Yang, X.: Rubbing-Induced Molecular Alignment and Its Relaxation in Polystyrene Thin Films, 2906P
Tse, M. F. See Yurekli, K., 256P
Tseng, C.-R.
—; Lee, H.-Y.; Chang, F.-C.: Crystallization Kinetics and Crystallization Behavior of Syndiotactic Polystyrene/Clay Nanocomposites, 2097P
Tsiang, R. C.-C. See Hung, K.-Y., 1662C; Shen, G.-M., 2625C
Tsou, A. H. See Yurekli, K., 256P
Tsoukatos, T.
—; Pispas, S.; Hadjichristidis, N.: Star-Branched Polystyrenes by Nitroxide Living Free-Radical Polymerization, 320C
Tsubakihara, S. See Yasuniwa, M., 2005P
Tsuboi, A.
—; Kolář, P.; Ishikawa, T.; Kamiya, Y.; Masuoka, H.: Sorption and Partial Molar Volumes of C_2 and C_3 Hydrocarbons in Polypropylene Copolymers, 1255P
Tsubokawa, N. See Shirai, Y., 2157C
Tsuchiya, M. See Kasashima, Y., 1877C
Tsui, O. K. C. See Tsang, O. C., 2906P
Tsunooka, M. See Suyama, K., 1708C; Tachi, H., 1329C
Tsutsui, K. See Nishikubo, T., 1169C, 1481C
Tsutsumi, C.
—; Yasuda, H.: Biodegradation of Copolymers Composed of Optically Active L-Lactide and (*R*)- or (*S*)-1-Methyltrimethylene Carbonate, 3916C
Tsutsumi, H. See Isobe, Y., 3556C
Tsutsumi, N. See Nagata, M., 2896C; Sakai, W., 706C, 247P
Tsvetkova, V. I. See Panin, A. N., 1915C
Tunca, U.
—; Erdogmus, A.; Hizal, G.: Synthesis and Characterization of Aromatic Cyclolinear Phosphazene Polyetherketones Containing bis-Spiro-Substituted Cyclotriphosphazene Unit, 2993C
—; See Hizal, G., 2426C

Turner, C. M. See Greenberg, C. C., 2549P
Turner, S. R. See Xiao, J., 408C
Turq, P. See Rollet, A.-L., 548P

Ubukata, T. See Uedono, A., 835P
Uchino, S. See Sudo, A., 1596C, 2093C
Ueda, K. See Nakano, T., 1610C
Ueda, M. See Hayakawa, T., 2287C; Nishio, A., 416C; Okazaki, M., 78C
Uedono, A.
—; Fukui, S.; Muramatsu, M.; Ubukata, T.; Kimura, S.; Tanigawa, S.: Open Spaces and Molecular Motions in Carbon-Black- and Silica-Loaded SBR Investigated Using Positron Annihilation, 835P
Uematsu, T. See Osaki, K., 211P, 1704P
Uemura, T. See Marathe, S., 3593C; Naka, K., 4083C
Uhlherr, A. See Freischmidt, H. M., 1803P
Ullrich, A. See Kerres, J., 2874C
Ulrich, R. See Cramer, S. E., 860P
Um, J. W. See Han, Y.-K., 2143C
Umemoto, K. See Shirahama, H., 1374C
Usuki, A. See Tanimura, S., 973P
Utracki, L. A.
—; Simha, R.: Free Volume and Viscosity of Polymer-Compressed Gas Mixtures during Extrusion Foaming, 342P
Utsunomiya, M. See Watanabe, T., 1505C
Uyama, H. See He, Y., 2898P

Väänänen, A. See Jokela, K., 1860P
Vaia, R. A. See Tan, L.-S., 2539P
Vairon, J.-P. See Carrot, G., 4294C
Van Benthem, R. A. T. M. See Peerlings, H. W. I., 3112C
Van Bruijnsvoort, M.
—; Tijssen, R.; Kok, W. Th.: Assessment of the Diffusional Behavior of Polystyrene Sulfonates in the Dilute Regime by Hollow-Fiber Flow Field Flow Fractionation, 1756P
Vanhaecht, B.
—; Teerenstra, M. N.; Suwier, D. R.; Willem, R.; Biesemans, M.; Koning, C. E.: Controlled Stereochemistry of Polyamides Derived from *cis/trans*-1,4-Cyclohexanedicarboxylic Acid, 833C
Van Hook, W. A. See Szydlowski, J., 184P
Vanketessan, J. See Liu, R., 1495C
Vanlandingham, M. See Raghavan, D., 1460P
Van Swaaij, W. P. M. See Meier, G. B., 500C
Varela, O. See Orgueira, H. A., 1024C
Varlet, J. See Varlot, K., 1360P
Varlot, K.
—; Reynaud, E.; Kloppfer, M. H.; Vigier, G.; Varlet, J.: Clay-Reinforced Polyamide: Preferential Orientation of the Montmorillonite Sheets and the Polyamide Crystalline Lamellae, 1360P
Vasanthan, N.
—; Salem, D. R.: FTIR Spectroscopic Characterization of Structural Changes in Polyamide-6 Fibers during Annealing and Drawing, 536P
Vega, D. A.
—; Sebastian, J. M.; Loo, Y.-L.; Register, R. A.: Phase Behavior and Viscoelastic Properties of Entangled Block Copolymer Gels, 2183P
Venables, R. A. See Tabtiang, A., 380P
Venkataramani, S. See Kharchenko, S. B., 2562P
Verdini, L. See Castiglia, S. R. V., 1326P
Vert, M. See Couffin-Hoarau, A.-C., 3475C
Vetter, S.
—; Koch, S.; Schlüter, A. D.: Synthesis and Polymerization of Functionalized Dendritic Macromonomers, 1940C
Vigier, G. See Varlot, K., 1360P
Vilas, J. L.
—; Laza, J. M.; Garay, M. T.; Rodríguez, M.; León, L. M.: Unsaturated Polyester Resins Cure: Kinetic, Rheologic, and Mechanical Dynamical Analysis. II. The Glass Transition in the Mechanical Dynamical Spectrum of Polyester Networks, 146P
Villar, M. A.
—; Ferreira, M. L.: Co- and Terpolymerization of Ethylene, Propylene, and Higher α-Olefins with High Propylene Contents Using Metallocene Catalysts, 1136C
—; See Ferreira, M. L., 2005C
Villegas, L.
—; Encinas, M. V.; Rufs, A. M.; Bueno, C.; Bertolotti, S.; Previtali, C. M.: Aqueous Photopolymerization with Vislble-Light Photoinitiators: Acrylamide Polymerization Photoinitiated with a Phenoxazine Dye/Amine System, 4074C
Vinodu, M. V.
—; Padmanabhan, M.: Electronic Effect of Polymeric Environments on Metalloporphyrins, 326C
Virtanen, J.
—; Tenhu, H.: Studies on Copolymerization of *N*-Isopropylacrylamide and Glycidyl Methacrylate, 3716C
Vogl, O. See Albertsson, A. C., 263C
Voigt, D. See Kunert, C., 1280C
Volke, F. See Manz, B., 1075C
Vorobyova, O.
—; Winnik, M. A.: Confocal Microscopy Studies of Shear-Induced Coalescence in Blends of Poly(butyl methacrylate) and Poly(2-ethylhexyl methacrylate), 2317P
—; Winnik, M. A.: In-Line Monitoring of Immiscible Polymer Blends in a Rheometer with a Fiber-Optics-Assisted Fluorescence Detection System, 2302P
Vrentas, C. M. See Vrentas, J. S., 1529P
Vrentas, J. S.
—; Vrentas, C. M.: Viscoelastic Diffusion, 1529P
Vyavahare, N. R. See Alferiev, I. S., 105C

Wachtel, E. See Assouline, E., 2016P
Wada, M.
—; Saito, Y.: Lateral Thermal Expansion of Chitin Crystals, 168P
Wada, Y. See Yasuda, N., 4196C
Waddon, A. See Gelfer, M. Y., 2774P

Wagner, H. D. See Assouline, E., 2016P; Zhao, Q., 1492P
Wahnes, C. See Matsumoto, K., 86C
Walsby, N.
—; Sundholm, F.; Kallio, T.; Sundholm, G.: Radiation-Grafted Ion-Exchange Membranes: Influence of the Initial Matrix on the Synthesis and Structure, 3008C
Wan, D. See Sun, Y., 604C
Wan, G. See Guan, Y., 1784P
Wan, M. See Liu, J., 997C; Qiu, H., 3485C
Wan, X. See Xiao, J., 408C
Wang, C. See Hu, Z., 2168P; Yang, W., 555C
Wang, C.-S. See Leu, T.-S., 4139C
Wang, F. See Li, H., 3278C; Liu, B., 2751C
Wang, F.-Y. See Ma, C.-C. M., 2436P
Wang, H. See Wang, Z.-G., 2982P
Wang, H.-C. See Yurekli, K., 256P
Wang, J. See Guo, Y.-M., 2134C
Wang, L. See Li, H., 3278C
Wang, L. Y. See Ma, C.-C. M., 2436P
Wang, Q. See Liao, Y., 3356C
Wang, S. See Yang, J., 3981C
Wang, S. J. See Meng, Y. Z., 3218C
Wang, T. See Qi, C., 332P
Wang, W.-E. See Balooch, M., 425P
Wang, X.
—; Sudol, E. D.; El-Aasser, M. S.: Mechanism of Emulsion Polymerization of Styrene Using a Reactive Surfactant, 3093C
—; See Liu, B., 2751C; Zhu, W., 1246P
Wang, X.-H. See Wang, Z.-G., 2982P
Wang, X. S. See Perrier, S., 1696C
Wang, Y.
—; Hillmyer, M. A.: Polyethylene-Poly(L-lactide) Diblock Copolymers: Synthesis and Compatibilization of Poly(L-lactide)/Polyethylene Blends, 2755C
Wang, Z. See Okubo, M., 3106C; Sui, Y., 2189C; Xie, M., 2799C
Wang, Z.-G.
—; Phillips, R. A.; Hsiao, B. S.: Morphology Development during Isothermal Crystallization. II. Isotactic and Syndiotactic Polypropylene Blends, 1876P
—; Wang, X.-H.; Hsiao, B. S.; Phillips, R. A.; Medellin-Rodriguez, F. J.; Srinivas, S.; Wang, H.; Han, C. C.: Structure and Morphology Development in Syndiotactic Polypropylene during Isothermal Crystallization and Subsequent Melting, 2982P
—; See Andjelić, S., 153P; Sui, Y., 1419C
Warakomski, J. M. See Wolf, R. A., 1391C
Warwel, S.
—; Demes, C.; Steinke, G.: Polyesters by Lipase-Catalyzed Polycondensation of Unsaturated and Epoxidized Long-Chain α,ω-Dicarboxylic Acid Methyl Esters with Diols, 1601C
Watabiki, M. See Higashi, F., 1726C
Watanabe, M.
—; Kato, T.; Suzuki, M.; Hirako, Y.; Shirai, H.; Hirai, T.: Control of Bending Electrostriction in Polyurethane Films by Doping with Salt, 1061P
Watanabe, T.
—; Utsunomiya, M.; Kurihara, S.; Nonaka, T.: Synthesis of Thermosensitive Hydrogels from Acryloyloxyethyl Trialkyl Phosphonium Chloride-*N*-Isopropylacrylamide-*N,N'*-Methylenebisacrylamide Terpolymers and Their Temperature Dependence of Water Absorption, 1505C
Weickert, G. See Meier, G. B., 500C
Weiss, R. A. See Kirkmeyer, B. P., 477P
Wells, S. See Ye, W., 3841C
Weltrowski, M. See Martel, B., 169C
Wesslén, B. See Gavelin, P., 2223C, 1519P
West, M. See Pandey, A. K., 807C
West, R. See Kanai, T., 1085P
Westmoreland, D. G. See Liao, Y., 3356C
White, G. See Parent, J. S., 2019C
Whitney, R. A. See Parent, J. S., 2019C
Whittaker, A. K. See Kwiatkowski, J., 1678P
Wigström, E. See Kint, D. P. R., 3250C
Wilén, C.-E. See Ekholm, P., 127C; Liu, H., 964C, 2751P
Wilkes, G. L. See Robertson, C. G., 2118P; Shelby, M. D., 32P
Wilkinson, T. S. See Monteiro, M. J., 2813C
Willem, R. See Vanhaecht, B., 833C
Williams, A. See Dalnoki-Veress, K., 2615P
Williams, A. J.
—; Gupta, V. K.: Incorporation of a Photochromic Hinge in a Rodlike Polypeptide and Its Influence on Dielectric and Optical Properties, 2759P
Williams, G.
—; Shinton, S. E.; Aldridge, G. A.: Dielectric Relaxation Spectroscopy and Alignment Behavior of a Polymer-Dispersed Liquid Crystal and its Component Materials, 1173P
Winey, K. I. See Kirkmeyer, B. P., 477P
Winnik, M. A. See Liu, R., 1495C; Tong, J.-D., 239C; Vorobyova, O., 2302P, 2317P; Zhou, C., 2642C
Wohlrab, S.
—; Kuckling, D.: Multisensitive Polymers Based on 2-Vinylpyridine and *N*-Isopropylacrylamide, 3797C
Wolf, B. A. See Schuld, N., 651P
Wolf, R. A.
—; Warakomski, J. M.; Staples, T. L.; Fazio, M. J.: Hydrazone Initiators for Vinyl Polymerizations, 1391C
Won, J. See Guiver, M. D., 2103C
Wong, B. See Ohno, K., 2206C
Wong, M.-K. See Xu, X.-J., 1634C
Woo, H.-G. See Kim, S. H., 2937C
Woo, K. S. See Cho, J. W., 1920P
Wood, J. R. See Zhao, Q., 1492P
Wooley, K. L. See Becker, M. L., 4152C
Worley, S. D. See Sun, Y., 3073C

Wu, C.
—; Organic Hybrid of Chlorinated Polyethylene and Hindered Phenol. IV. Modification on Dynamic Mechanical Properties by Chlorinated Paraffin, 23P
—; See Fu, J., 703P
Wu, F.-I.
—; Shu, C.-F.: Hyperbranched Aromatic Poly(ether imide)s: Synthesis, Characterization, and Modification, 2536C
—; Shu, C.-F.: Synthesis and Characterization of New Hyperbranched Poly(aryl ether oxadiazole)s, 3851C
Wu, G. See Shyichuk, A., 1656C; Zheng, Q., 2833P
Wu, J.
—; Chiu, S.-C.; Pearce, E. M.; Kwei, T. K.: Effects of Phenolic Compounds on Gelation Behavior of Gelatin Gels, 224C
—; Xiao, C.; Yee, A. F.; Klug, C. A.; Schaefer, J.: Controlling Molecular Mobility and Ductile–Brittle Transitions of Polycarbonate Copolymers, 1730P
Wu, L.
—; Sheares, V. V.: Polar, Functionalized Diene-Based Materials. V. Free-Radical Polymerization of 2- (*N*-Benzyl-*N*-methylamino)methyl}-1,3-butadiene and Copolymerization with Styrene, 3227C
Wu, L.-J. See Chern, C.-S., 898C, 3199C
Wu, L.-M.
—; Knoesen, A.: Absolute Absorption Measurements of Polymer Films for Optical Waveguide Applications by Photothermal Deflection Spectroscopy, 2717P
Wu, P.-L. See Capek, I., 101P
Wu, Q. See Huang, Q., 4068C
Wu, S. See Liao, Y., 3356C; Yang, Y., 901P
Wu, T.-M.
—; Axial Correlation Lengths for Aromatic Copolyesters, 1839P
Wu, Y. C.
—; Huang, C.-M.; Li, Y.; Zhang, R.; Chen, H.; Mallon, P. E.; Zhang, J.; Sandreczki, T. C.; Zhu, D.-M.; Jean, Y. C.; Suzuki, R.; Ohdaira, T.: Deterioration of a Polyurethane Coating Studied by Positron Annihilation Spectroscopy: Correlation with Surface Properties, 2290P
Wunderlich, B. See Di Lorenzo, M. L., 1594P, 2969P; Pyda, M., 1565P
Wutz, C. See Stribeck, N., 1749P

Xi, F. See Chen, C., 430C; Zhao, Y.-L., 3960C
Xia, H. See Liao, Y., 3356C
Xia, X. See Dabral, M., 1824P
Xia, Z.
—; Sue, H.-J.; Hsieh, A. J.; Huang, J. W.-L.: Dynamic Mechanical Behavior of Oriented Semicrystalline Polyethylene Terephthalate, 1394P
Xiang, C.
—; Sue, H.-J.; Chu, J.; Coleman, B.: Scratch Behavior and Material Property Relationship in Polymers, 47P
Xiao, C. See Wu, J., 1730P
Xiao, G. See Zhu, S., 2943C
Xiao, J.
—; Wan, X.; Zhang, D.; Zhou, Q.-F.; Turner, S. R.: Synthesis and Thermal Behavior of New Poly(ethylene terephthalate-imide)s, 408C
Xiao, Y.
—; Son, D. Y.: Hyperbranched Polymers from Propargyloxysilanes: New Types of Acetylenic Resins, 3383C
Xiao-Su, Y. See Jiankun, L., 115P
Xiaozhen, T. See Xinling, W., 2225P
Xie, D.
—; Tomczak, S.; Hogen-Esch, T. E.: Synthesis and Hydrophobic Association of Poly(*N*,*N*-dimethylacrylamide) End-Functionalized with Perfluorocarbon and Hydrocarbon Groups, 1403C
Xie, F. See Tsang, O. C., 2906P
Xie, J.
—; Hsieh, Y.-L.: Enzyme-Catalyzed Transesterification of Vinyl Esters on Cellulose Solids, 1931C
Xie, K.
—; Zhang, S. Y.; Liu, J. G.; He, M. H.; Yang, S. Y.: Synthesis and Characterization of Soluble Fluorine-Containing Polyimides Based on 1,4-Bis-(4-amino-2-trifluoromethylphenoxy)benzene, 2581C
Xie, M.
—; Wang, Z.; Zhao, Y.: Synthesis and Properties of a Novel, Liquid, Trifunctional, Cycloaliphatic Epoxide, 2799C
Xie, Y. See Zhang, Z., 232C
Xin, Z.
—; Sanda, F.; Endo, T.: Synthesis of Chromophore-Embedded Polyurethanes for Electrooptical Materials, 2620C
Xinling, W.
—; Jianjun, C.; Ling, H.; Xiaozhen, T.: Synthesis and Ionic Conductivity of Hyperbranched Poly(glycidol), 2225P
Xu, H. See Yin, Y., 3128P
Xu, J.
—; He, C.; Chung, T.-S.: Synthesis and Characterization of Soluble Polyimides Derived from 1,1′;4′,1″}Terphenyl-2′,5′-diol and Biphenyl-2,5-diol, 2998C
—; See Guo, Y.-M., 437C
Xu, J.-T.
—; Zhu, Y.-B.; Fan, Z.-Q.; Feng, L.-X.: Copolymerization of Propylene with Various Higher α-Olefins Using Silica-Supported *rac*-$Me_2Si(Ind)_2ZrCl_2$, 3294C
Xu, X. See Liao, Y., 3356C; Zhang, Z., 2670C
Xu, X. H.
—; Yin, S. G.; Kong, F.; Zhang, F. Q.; Yao, K. D.; Huang, W. Q.: Organic Negative-Resistance Devices Using PPV Containing Electron-Transporting Groups on the Main Chain, 589P
Xu, X.-J.
—; Siow, K.-S.; Wong, M.-K.; Gan, L.-M.: Polymerization of Styrene with Ionic Comonomer, Nonionic Comonomer, or Both, 1634C

Yabuki, K. See Tashiro, K., 1296P
Yadav, A. See Brar, A. S., 4051C
Yagci, Y. See Serhatli, I. E., 1589C
Yamada, B. See Tanaka, K., 3902C

Yamada, K.
—; Minoda, M.; Fukuda, T.; Miyamoto, T.: Amphiphilic Block and Statistical Copolymers with Pendant Glucose Residues: Controlled Synthesis by Living Cationic Polymerization and the Effect of Copolymer Architecture on Their Properties, 459C
Yamaguchi, I.
—; Yasuda, T.; Yamamoto, T.: Ring-Opening Graft Copolymerization of Epoxide with Polyaniline: Chemical Properties with Lithium Ionic Conductivity of the Copolymer, 3137C
Yamaguchi, M.
—; Rheological Properties of Linear and Crosslinked Polymer Blends: Relation between Crosslink Density and Enhancement of Elongational Viscosity, 228P
—; Suzuki, K.-I.: Rheological Properties and Foam Processability for Blends of Linear and Crosslinked Polyethylenes, 2159P
Yamaguchi, S. See Suyama, K., 1708C
Yamamoto, J. See Takahashi, M., 91P
Yamamoto, S. See Seki, M., 2340P; Yasuda, N., 4196C
Yamamoto, S.-I.
—; Sanda, F.; Endo, T.: Spontaneous Alternating Copolymerization of Isobutoxyallene with 4-Phenyl-1,2,4-triazoline-3,5-dione, 1564C
Yamamoto, T.
—; Kokubo, H.; Morikita, T.: Molecular Alignment of Head-to-Tail-Type Poly(3-hexylthiophene-2,5-diyl) and Related Polymers and Compounds on Substrates, 1713P
—; See Kanbara, T., 3739C; Tachi, H., 1329C; Yamaguchi, I., 3137C
Yamanaka, C. See Shimura, Y., 3893C
Yamaoka, H. See Harada, T., 78P; Matsumoto, K., 86C, 3751C
Yamasaki, N.
—; Kanaori, K.; Masamoto, J.: Analysis of Ethylene Oxide Sequences of the Acetal Copolymer from Trioxane and Ethylene Oxide, 3239C
Yamashita, T. See Okubo, M., 3106C
Yamashita, Y. See Osaki, K., 1704P
Yamato, M. See Kimura, T., 1942P
Yamazaki, T.
—; Seguchi, T.: Electron Spin Resonance Study on Chemical-Crosslinking Reaction Mechanisms of Polyethylene Using a Chemical Agent. VI. Effect of α-Methyl Styrene Dimer, 2151C
Yan, D. See Zhu, S., 765C, 2943C
Yan, F. See Qi, C., 332P
Yan, Z.
—; Deng, Y.; Zhang, D.; Yang, C. Q.: Synthesis and Characterization of Cationic Copolymers of Butylacrylate and 3-(Methacryloylamino)-propyl]trimethylammonium Chloride, 1031C
Yanagida, S. See Yasuda, N., 4196C
Yang, B. See Zhu, W., 1246P
Yang, C.-C. See Ho, R.-M., 2469P; Yang, C.-P., 2591C
Yang, C.-M. See Liaw, D.-J., 1156C
Yang, C.-P.
—; Chen, R.-S.; Chen, C.-D.: Synthesis and Properties of Organosoluble Poly(amide-imide)s with Propeller-Shaped 1,1,1-Triphenylethane Units in the Main Chain, 775C
—; Chen, R.-S.; Chen, S.-H.: Synthesis and Characterization of New Type Soluble Poly(amide–imide)s Based on 6FDA Imide Modified Polyterephthalamides, 93C
—; Yang, C.-C.; Chen, R.-S.: Synthesis and Properties of Alternating Copolyamide-imides Based on 2,6-Bis(4-aminophenoxy)naphthalene and Comparison with Its Related Isomeric Polymers, 2591C
—; Yu, C.-W.: Syntheses and Properties of Organosoluble Poly(ether imide)s from 1,1-Bis 4-(3,4-dicarboxy-phenoxy)phenyl]-cyclohexane Dianhydride and Aromatic Diamines, 788C
Yang, C. Q. See Yan, Z., 1031C
Yang, D. See Yang, W., 555C
Yang, H.
—; He, J.; Liang, B.: Transesterification Kinetics of Poly(ethylene terephthalate) and Poly(ethylene 2,6-naphthalate) Blends with the Addition of 2,2′-Bis(1,3-oxazoline), 2607P
Yang, J.
—; Lin, H.; Wang, S.; Li, Y.; Bai, F.; Zhu, D.: Photophysical Characteristics of Soluble Oligo(*p*-phenylenevinylene)–Fullerene Dyad, 3981C
Yang, J.-M. See Lee, R.-S., 724C
Yang, K.-N. See Ho, C.-H., 2296C
Yang, L. See Fu, B. X., 2727P
Yang, S.
—; Liang, B.: Simulation of Phase-Separated Structures of Liquid-Crystalline Polymer/Flexible Polymer Blends, 2915P
—; See Zhou, H., 2404C
Yang, S. Y. See Xie, K., 2581C
Yang, W.
—; Yang, D.; Hu, J.; Wang, C.; Fu, S.: Dispersion Copolymerization of Styrene and Other Vinyl Monomers in Polar Solvents, 555C
Yang, W.-T. See Deng, J.-P., 3246C
Yang, X.
—; Tan, S.; Li, G.; Zhou, E.: Lamellar Single Crystals of Nylon-10,10 Grown from a Dimethylformamide Solution, 729P
—; See Liang, T., 2243P; Tsang, O. C., 2906P
Yang, Y.
—; Zeng, F.; Tong, Z.; Liu, X.; Wu, S.: Phase Separation in Poly(*N*-isopropyl acrylamide)/Water Solutions. II. Salt Effects on Cloud-Point Curves and Gelation, 901P
—; See Chen, C., 430C; Yin, Y., 3128P
Yang, Y.-L. See Li, X.-G., 3989C
Yang, Z. See Qi, C., 332P; Tsang, O. C., 2906P
Yao, K. D. See Xu, X. H., 589P
Yase, K. See Tanigaki, N., 432P
Yashima, E. See Maeda, K., 3180C
Yasuda, H.
—; Highlight. Rare-Earth-Metal-Initiated Polymerizations of

(Meth)acrylates and Block Copolymerizations of Olefins with Polar Monomers, 1955C
—; See Shirahama, H., 1374C; Tanaka, K., 1382C; Tsutsumi, C., 3916C
Yasuda, N.
—; Yamamoto, S.; Wada, Y.; Yanagida, S.: Photocrosslinking Reaction of Vinyl-Functional Polyphenylsilsesquioxane Sensitized with Aromatic Bisazide Compounds, 4196C
Yasuda, T. See Yamaguchi, I., 3137C
Yasuniwa, M.
—; Tsubakihara, S.; Ohoshita, K.; Tokudome, S.: X-Ray Studies on the Double Melting Behavior of Poly(butylene terephthalate), 2005P
Ye, W.
—; Wells, S.; Desimone, J. M.: Well-Defined Glycopolymer Amphiphiles for Liquid and Supercritical Carbon Dioxide Applications, 3841C
Yee, A. F. See Wu, J., 1730P
Yee, L. H. See Tanaka, K., 3902C
Yeganeh, H. See Barikani, M., 514C; Tamami, B., 3826C
Yerlikaya, Z.
—; Aksoy, S.; Bayramli, E.: Synthesis and Characterization of Fully Aromatic Thermotropic Liquid-Crystalline Copolyesters Containing *m*-Hydroxybenzoic Acid Units, 3263C
Yessine, M.-A. See Ranger, M., 3861C
Yi, X. See Zheng, Q., 2833P
Yin, J. See Sui, Y., 1419C, 2189C; Yuan, Q., 1855P
Yin, S. G. See Xu, X. H., 589P
Yin, Y.
—; Yang, Y.; Xu, H.: Hydrogels for Colon-Specific Drug Delivery: Swelling Kinetics and Mechanism of Degradation *in vitro*, 3128P
Ying, S. See Zhang, Z., 2670C
Yonetake, K. See Nishio, A., 416C
Yoon, T.-H. See Jeong, K. U., 3335C
Yoon, W. S. See Lyoo, W. S., 1263P
Yoshida, M. See Hendri, J., 56C
Yoshida, Y. See Taguchi, M., 495C; Tanigaki, N., 432P
Yoshino, J.-I. See Tashiro, K., 1296P
You, Y.-Z. See Hong, C.-Y., 3934C
Youk, J. H.
—; Jo, W. H.: Origin of Miscibility-Induced Sequential Reordering and Crystallization-Induced Sequential Reordering in Binary Copolyesters: A Monte Carlo Simulation, 1337P
Young, S. K.
—; Mauritz, K. A.: Dynamic Mechanical Analyses of Nafion®/Organically Modified Silicate Nanocomposites, 1282P
Yu, C.-W. See Yang, C.-P., 788C
Yu, L.
—; Highlight. Lessons Learned from Research on Photorefractive Polymers and Molecular Materials, 2557C
Yuan, J. C.
—; Chen, M. D.; Zhang, Y. H.; Lu, S. J.: Regioselective and Stereoselective Alternating Copolymerization of Carbon Monoxide with Functional Olefins, 2027C
Yuan, Q.
—; Jiang, W.; Zhang, H.; Yin, J.; An, L.; Li, R. K. Y.: Brittle–Ductile Transition in High-Density Polyethylene/Glass-Bead Blends: Effects of Interparticle Distance and Temperature, 1855P
Yucai, K. See Jiankun, L., 115P
Yuk, S. H. See Lee, T. B., 594P
Yun, H. See Chang, J. Y., 1456C
Yurekli, K.
—; Krishnamoorti, R.; Tse, M. F.; McElrath, K. O.; Tsou, A. H.; Wang, H.-C.: Structure and Dynamics of Carbon Black-Filled Elastomers, 256P

Zamanlou, M. R. See Mallakpour, S. E., 177C
Zayas-Holdsworth, C. I. See Busfield, W. K., 2911C; Cresidio, S. P., 1232C
Zeidam, R. See Takeichi, T., 2633C
Zenevskii, Y. V. See Hlavatá, D., 931P
Zeng, F. See Shen, Y., 1051C; Yang, Y., 901P
Zentel, R. See Serhatli, I. E., 1589C
Zerda, A. S.
—; Lesser, A. J.: Intercalated Clay Nanocomposites: Morphology, Mechanics, and Fracture Behavior, 1137P
Zetterlund, P. B. See Cresidio, S. P., 1232C
Zhang, C.
—; Mori, T.; Mizutani, T.; Ishioka, M.; Cheng, Y.: Morphology and Electrical Breakdown Properties of LDPE-Polypropylene Copolymer Blends, 1741P
Zhang, D. See Xiao, J., 408C; Yan, Z., 1031C
Zhang, F. Q. See Xu, X. H., 589P
Zhang, G. See Li, Z., 634P; Zhu, S., 765C
Zhang, H. See Guiver, M. D., 675C; Ruckenstein, E., 117C; Yuan, Q., 1855P
Zhang, J. See Tsang, O. C., 2906P; Wu, Y. C., 2290P
Zhang, L. See Zhou, J., 451P; Zhou, Q., 376C
Zhang, L.-Q. See Gent, A. N., 811P
Zhang, M. See Kwan, A. T., 1237P
Zhang, Q. See Zhang, Z., 2670C
Zhang, R.
—; Chen, H.; Cao, H.; Huang, C.-M.; Mallon, P. E.; Li, Y.; He, Y.; Sandreczki, T. C.; Jean, Y. C.; Suzuki, R.; Ohdaira, T.: Degradation of Polymer Coating Systems Studied by Positron Annihilation Spectroscopy. IV. Oxygen Effect of UV Irradiation, 2035P
—; See Wu, Y. C., 2290P
Zhang, S. See Zhou, H., 2404C
Zhang, S. Y. See Xie, K., 2581C
Zhang, W. See Guan, Y., 1784P
Zhang, X. See Hu, Z., 2168P; Liang, T., 2243P
Zhang, Y. See Ma, H., 1817C
Zhang, Y. H. See Yuan, J. C., 2027C
Zhang, Z.
—; Xie, Y.; Ma, D.: Transesterification Characteristics of Poly(bisphenol A carbonate) with Ethylene Terephthalate–Caprolactone Copolyester, 232C

—; Ying, S.; Zhang, Q.; Xu, X.: Well-Controlled Radical Copolymerization of Styrene with 2-{(Perfluorononenyl)-oxy} Ethyl Methacrylate and Characterization of its Copolymers, 2670C
—; See Handa, Y. P., 1505P
Zhao, L.
—; He, C.; Lu, Z.; Chung, T. S.: Synthesis and Characterization of Rigid-Chain Liquid–Crystalline Polymers Containing Laterally Attached Side Rods, 1288C
—; See He, C., 1242C
Zhao, Q.
—; Wood, J. R.; Wagner, H. D.: Using Carbon Nanotubes to Detect Polymer Transitions, 1492P
Zhao, X. See Liu, B., 2751C
Zhao, Y. See Xie, M., 2799C
Zhao, Y.-L.
—; Jiang, J.; Liu, H.-W.; Chen, C.-F.; Xi, F.: Atom Transfer Radical Copolymerization of *N*-Phenylmaleimide and Styrene Initiated with Dendritic Polyarylether 2-Bromoisobutyrate, 3960C
Zheng, L.
—; Farris, R. J.; Coughlin, E. B.: Synthesis of Polyethylene Hybrid Copolymers Containing Polyhedral Oligomeric Silsesquioxane Prepared with Ring-Opening Metathesis Copolymerization, 2920C
Zheng, Q.
—; Song, Y.; Wu, G.; Yi, X.: Reversible Nonlinear Conduction Behavior for High-Density Polyethylene/Graphite Powder Composites Near the Percolation Threshold, 2833P
Zhou, C.
—; Winnik, M. A.; Jao, T.-C.: Synthesis and Characterization of Nonaqueous Dispersion Particles with Photolabile α-Heptadecylphenacyl Ester Stabilizer Chains, 2642C
Zhou, E. See Yang, X., 729P
Zhou, H.
—; Liu, J.; Qian, Z.; Zhang, S.; Yang, S.: Soluble Fluorinated Polyimides Derived from 1,4-(4′-Aminophenoxy)-2-(3′-trifluoromethylphenyl)benzene and Aromatic Dianhydrides, 2404C
Zhou, J.
—; Zhang, L.: Structure and Properties of Blend Membranes Prepared from Cellulose and Alginate in NaOH/Urea Aqueous Solution, 451P
—; See Andjelić, S., 153P, 3073P
Zhou, Q.
—; Zhang, L.; Okamura, H.; Minoda, M.; Miyamoto, T.: Synthesis and Properties of *O*-2- 2-(2-Methoxyethoxy)-ethoxy}acetyl Cellulose, 376C
Zhou, Q.-F. See Xiao, J., 408C
Zhou, S.-M.
—; Tashiro, K.; Ii, T.: Confirmation of Universality of Time–Humidity Superposition Principle for Various Water-Absorbable Polymers through Dynamic Viscoelastic Measurements under Controlled Conditions of Relative Humidity and Temperature, 1638P
Zhou, X. See Qi, C., 332P
Zhou, Z. F.
—; Huang, H.; Liu, N. C.: Kinetics and Mechanism of Grafting of Undecylenic Acid onto Acrylonitrile—Butadiene—Styrene Terpolymer, 486C
Zhu, A.
—; Bharathi, P.; Drickamer, H. G.; Moore, J. S.: Effect of Pressure on the Luminescence of a Series of Methoxy Phenylacetylene Dendrimers Neat and in Dilute Solution in Solid Poly(*tert*-butyl methacrylate), 2859C
Zhu, D. See Yang, J., 3981C
Zhu, D.-M. See Wu, Y. C., 2290P
Zhu, F. See Huang, Q., 4068C
Zhu, L.
—; Narh, K. A.; Geng, X.: Modeling of Particle-Dispersed Melting Mechanism and Its Application in Corotating Twin-Screw Extrusion, 2461P
Zhu, N. See Sui, Y., 2189C
Zhu, S.
—; Xiao, G.; Yan, D.: Synthesis of Aromatic Polyethersulfone-Based Graft Copolyacrylates via ATRP Catalyzed by $FeCl_2$/Isophthalic Acid, 2943C
—; Yan, D.; Zhang, G.: Reverse Atom Transfer Radical Polymerization of Methyl Methacrylate with a New Catalytic System, $FeCl_3$/Isophthalic Acid, 765C
—; See Jiang, C., 3780C; Shen, Y., 1051C
Zhu, W.
—; Wang, X.; Yang, B.; Tang, X.: A Novel Ionic-Conduction Mechanism Based on Polyurethane Electrolyte, 1246P
Zhu, Y.-B. See Xu, J.-T., 3294C
Zhu, Z. See Sui, Y., 2189C
Zhu, Z.-K. See Sui, Y., 1419C
Zielinski, J. M.
—; Alsoy, S.: Onsager Consistency Checks for Multicomponent Diffusion Models, 1496P
Žigon, M. See Mav, I., 2471C, 2482C
Zimmerman, J.
—; Kohan, M. I.: Highlight. Nylon–Selected Topics, 2565C
—; Kohan, M. I.: Nylon–Selected Topics, 3850C
Zongneng, Q. See Jiankun, L., 115P
Zong, S. X. See Fu, B. X., 2727P
Zune, C.
—; Archambeau, C.; Dubois, Ph.; Jérôme, R.: Effect of the Solvent Polarity on the Living Ligated Anionic Polymerization of *tert*-Butyl Methacrylate and Copolymerization with Methyl Methacrylate, 1774C
Zuo, M. See Takeichi, T., 3011P

JOURNAL OF
POLYMER SCIENCE

Combined Subject Index to Volume 39

This index covers the Polymer Chemistry and Polymer Physics Editions of the *Journal of Polymer Science*, Vol. 39, 2001. The Edition in which an item appears is indicated by a C or P, respectively, following the page number.

AB_2 and AB monomers, 3304C
AB_2 monomer, 3851C
AB-crosslinked polymer, 2633C
ABS, 719P
Absolute configuration, 3180C
Absorbable polymers, 153P, 3073P
Absorption, 2717P
Acceleration, 800C
Acetal, 613C
Acetoacetamide, 1456C
Acetoacetanilide, 1456C
Acetylenic, 3383C
Acid base pair, 1708C
Acidolysis polycondensation, 693C
Acrylamide, 3320C, 3434C, 4074C
Acrylamide polymerization, 1584C
Acrylate–ammonium salts, 640C
Acrylates, 1391C, 3902C
Acrylic, 507P
Acrylic acid, 3934C
Acrylic polymers, 286P
Acrylonitrile—butadiene—styrene terpolymer (ABS), 486C
Activated amidation, 3818C
Activated dicarboxylic acids, 3884C
Activation, 1915C
Activation energy, 162C, 3443C, 3875C, 4009C, 4139C, 669P, 1215P, 1525P
Activation entropy, 32P
Activation volume, 895P
Active chlorines, 307C
Active ester, 1318C
Active polymer, 546C
Active site, 1915C
Actuator, 1061P
Acyclic diene metathesis polymerization, 2463C
Added salt effect, 78P
Addition fragmentation, 2911C
Addition polymerization, 3024C, 3678C, 4083C, 4091C
1,4-addition solid state polymerization, 3686C
Additives, 2635P
Adhesion, 3335C, 4051C, 1195P, 1824P, 1848P, 2363P, 2843P, 3090P
Adsorption, 3106C, 709P, 2333P
Affinity, 675C
AFM, 1429P
Ageing, 1920P
Aggregation–fragmentation concept, 1312P
Aldehyde, 4022C
Alginate, 451P
Aliphatic/alicyclic copolyesters, 2508C
Aliphatic–aromatic thiodiols, 1733C
Aliphatic polyacetylene, 913C
Aliphatic polyesters, 630C, 2143C, 2622P
Alkaline developability, 934C
Alkaline hydrolysis, 732C
Alkyl, 1437P
Alkyl methacrylates, 947C
Alkylating agent, 3928C
Alkylenediamine, 1024C
Allyl- and hydroxyl-telechelic stars with isocyanates, 1525C
Allyl- and hydroxy-telechelic poly(isobutylene-azeotropic-styrene) copolymers, 1515C
Allyl chloride, 1120C
Allyl telechelic polyimide, 2414C
Allylation, 307C
Allylic- and nadimide-terminated fluorinated oligoimides, 2602C
Allylic sulfide, 202C
α Chitin, 168P
α Transcrystallinity, 2016P
α-Amino acid *N*-carboxyanhydrides, 1572C
α-Fluoroacrylates, 32C
α-Methyl glutamic acid γ-dimer, 732C
α-Methyl styrene dimer, 2151C
α-Methyl styrene/methyl methacrylate (α-MS/MMA), 1753C
α-Olefin, 313C, 3294C
α-Olefin polymerization, 127C
α,ω-Trialkoxysilyl-terminated oligoimides, 2602C
Alternated oligomers, 3981C
Alternating copolymerization, 2027C
Alternating copolymers, 32C
Alternating current (ac) conductivity, 1935P
Alternating sequence, 3371C
Aluminosilicate clay, 1137P
Ambient self-curable latex, 389C
Amide-containing diamine, 3818C
Amidinate, 284C
Amination, 2058C
Amine, 162C, 3678C
Amine-blocked polyurethane prepolymer, 4236C
Amine–quinone polymers, 4044C
Amino acid, 1318C
3-Aminobenzenesulfonic acid, 2482C
2-aminoethanol, 1318C
Amino-functionalized dendrons, 1940C
Amino-functionalized polymer, 389C
Amorphous, 2063P
Amorphous crazing, fracture, 3103P
Amorphous orientation, 964P
Amorphous phase, 1911P
Amorphous polymers, 2252P
Amorphous thickness distribution, 2454P
Amphiphiles, 3475C, 3751C, 3841C

Amphiphilic, 918C, 1833C, 2625C, 3726C
Amphiphilic block copolymer, 1450C, 3190C
Amphiphilic conetwork, 1429P
Amphiphilic copolymer, 4061C
Amphiphilic four-armed block copolymer, 3062C
Amphiphilic graft copolymer, 2223C
Amphiphilic lipid conjugate, 2821C
Amphiphilic networks, 1784P
Amphiphilic polymer, 86C, 459C
Aniline derivative, 2471C
Anion exchange, 1329C
Anion-exchange membranes, 807C
Anionic, 947C
Anionic gel, 335C
Anionic polymerization, 117C, 1016C, 1198C, 1610C, 1774C, 1886C, 2494C, 2723C, 3034C, 3121C, 3556C, 3841C
Annealing, 763P, 1107P, 1920P, 2774P
Annealing, α' and β' relaxations, 1P
Ansa-zirconocene, 127C
Anthracene cation radical, 2937P
Anthracene incorporation, 3121C
Antimicrobial activity, 1810C
Antiplasticization, 2635P
Aqueous dispersion, 611P
Aqueous hydrolysis, 1931C
Aqueous solution, 1696C
AR_2 monomer, 2536C
Argon, 3020P
Aromatic, 3263C
Aromatic azide compounds, 4196C
Aromatic polyamides, 475C, 1825C
Aromatic polyester, 78C
Aromatic polyetherketone, 2993C
Aromatic polyethersulfone-based graft copolyacrylates, 2943C
Aromatic polyimides, 1662C
Aromatic substitution, 1605P
Artificial muscle, 236P
Asperities, 1195P
Asymmetric polymerization, 430C, 3556C
Asymmetric reflection, 1749P
Atactic polybutene-1, 4068C
Atom transfer, 1051C
Atom transfer free-radical polymerization, 2134C
Atom transfer radical copolymerization (ATRP), 3960C
Atom transfer radical polymerization (ATRP), 437C, 650C, 2058C, 2233C, 2426C, 2943C, 3062C, 3392C, 3443C, 3726C, 3780C, 3861C 4152C, 4294C
Atom transfer radical polymerization (ATRP) initiation system, 3464C
Atomic force microscopy (AFM), 4152C, 4249C, 4255C, 314P, 663P, 757P, 1460P, 2263P
Autopolymerization, 4009C
Average molecular weight, 404P
Avrami, 2469P
Avrami–Ozawa analysis, 2130P
Axial correlation length, 1839P
2-Azetidinone, 3789C
Azlactone, 3655C
Azo chromophore, 1686P
Azo polymers, 3052C, 2759P
Azobenzene-containing polymers, 1686P

Backbone mobility, 1548P
Balance injection, 589P
Barium sulfate, 2589P
Barrier, 2243P
Base doping, 2867C
BBSA, 2022P
Bead-spring model, 2860P
Bending, 1957P
Bending electrostriction, 1061P
Benzenesulfonamide plasticizers, 2022P
Benzil, 343C
Benzoxazine monomer, 736P
Benzoxazole, 1162C
Benzyl potassium, 1198C
β Chitin, 168P
β Relaxation, 2444P
β-Cyclodextrin, 3539C
β-sheet conformation, 742C
Biaxial drawing, 1224P
Bicyclo orthoesters, 3159C
Bidisperse linear blends, 2501P
Bimetallic (Al/Zn) μ-oxo alkoxide, 357C
Binary copolyester blends, 1337P
Biocides, 3073C, 3348C
Biodegradability, 1318C
Biodegradable, 2896C, 3043C, 3475C, 3916C, 4214C
Biodegradable liquid-crystalline polyesters, 2430C
Biodegradable polyesters, 693C, 3371C, 920P
Biodegradable polymers, 630C, 4283C
Biodegradation, 1374C, 703P
Biological applications, 4189C
Biomaterials, 294C, 3655C, 3893C, 4189C, 4214C
Biomimetic, 4255C
Biopolymers, 3073C, 4174C
Bioresorbable polymer, 3475C
Biphasic, 2351C
Biphenyl, 2998C
Bipyridine, 4083C
2,2′-Bipyridine, 1120C
Birefringence, 2602C, 915P, 1107P, 1147P, 1942P, 1976P, 2275P, 2562P
Birefringence dynamics, 1686P
Birefringence stability, 1686P
Bis 4-(4-carboxyphenoxy)-phenyl}diphenylmethane, 1156C
2,6-Bis(4-aminophenoxy)-naphthalene, 2591C
1,1-Bis 4-(4-aminophenoxy)-phenyl}-1-phenylethane, 775C
9,10-Bis(bromomethyl)-anthracene, 3121C
9,10-Bis(chloromethyl)anthracene, 3121C
Bis(cyclic carbonate), 860C
Bis(cyclopentadienyl) manganese, 3733C
1,1-Bis 4-(3,4-dicarboxyphenoxy)-phenyl}cyclohexane dianhydride, 788C
Bis-(3-hydroxypropyl) 2,6-naphthalenedicarboxylate, 620C
Bisketene, 3789C
Bismaleimide, 1716C
Bis(*N*-amino-4-thio-1,8-naphthalimide)s, 1040C
Bis(*o*-aminophenol)s, 2262C
Bisphenol, 2951C, 3218C
1,3-Bis(phenylethenyl)benzene, 2723C
1,4-Bis(phenylethynyl)benzene (DEB), 425P
Bisphosphonate, 105C
Bisphthalide, 4236C
Bis(seven-membered cyclic carbonate), 4091C
Bis-spiro-substituted cyclotriphosphazene, 2993C
Bis(tributyltin) oxide, 2125C
2,2-Bis 4-(4-trimellitimidophenoxy)-phenyl}-hexafluoropropane, 3498C
Blend miscibility, 1803P
Blends, 841C, 1090C, 1472C, 363P, 611P, 771P, 819P, 920P, 1381P, 1651P, 1741P, 1778P, 1876P, 1948P, 2108P, 2225P, 2302P, 2436P, 2607P, 2705P, 2898P, 2915P
Block copolymer with polyalcohol segments, 746C
Block copolymerizations of (meth)acrylates with olefins, 1955C
Block copolymers, 23C, 152C, 398C, 459C, 495C, 546C, 742C, 918C, 955C, 1833C,

2426C, 2494C, 2625C, 2731C, 2755C, 2889C, 3062C, 3464C, 3751C, 3841C, 3960C, 4001C, 566P, 819P, 843P, 931P, 947P, 2141P, 2183P, 2198P, 2231P, 2469P, 2671P, 2969P, 2996P
Block copolymer with polyalcohol segments, 746C
Block copolymerizations of (meth)acrylates with olefins, 1955C
Blown films, 2923P
Bone-tissue engineering, 683C
Bootstrap effect, 2043C
Borate, 3875C
Boson peak, 2852P
Bound rubber, 439P
Branched, 3383C, 2960P
Branched fibers, 2598P
Branched polyester, 1027P
Branched polyethylene, 1901C
Branched polymer, 2143C, 391P, 404P
Branching, 1106C, 1426C
Branching reaction, 2143C
Brill transition, 729P
Brittle-ductile transition, 1855P, 2635P
Brittleness, 1730P
Brominated butyl rubber, 2019C
Brominated polystyrene, 1605P
Bromoalkylation, 105C
(4-Bromophenyl)ethylketene, 2093C
Bulk density, 2085C
Butadiene polymerization, 2244C, 2256C
Butene-1 polymerization, 4068C
Butyl acrylate, 1031C, 1860C, 2696C

{C_{60}} fullerene, 2494C
^{13}C NMR, 833C, 1726C
Cage effect, 1656C
Calcium (Ca) erosion, 1697P
Calculations, 4091C
Calixarene core stars, 1525C
Calixarene derivatives, 1169C
Calix{8}arene derivatives, 1149C
Calorimetry, 1237P
Camphorquinone, 343C
Carbazole, 1272P
Carbon black, 256P, 835P, 1415P
Carbon dioxide, 1472C, 2063P, 3020P
Carbon fibers, 3875C
Carbon nanotubes, 1492P
Carbonate-bridged, 1149C
Carbonization temperature, 3875C
Carbonyl azide, 1295C
Carbosilane, 2308C
2-Carboxyisopropylacrylamide, 335C
Carboxylated particles, 1435C
Carboxylic acid, 4022C
Carboxylic esters, 2874C
Carboxy-telechelic polystyrene, 2740C
Cardo, 2951C
Cardo group, 4014C
Cast film, 459C
Catalysis, 2351C, 4022C, 4236C
Catalysts, 1817C, 2751C, 3884C, 4101C
Catalytic chain transfer, 2378C
Catalytic polymerization, 2332C
Catalyzed formation, 620C
Cationic copolymer, 1031C
Cationic copolymerization, 60P
Cationic grafting from PVC, 1675C
Cationic latent thermal catalysts, 187C
Cationic monomer, 2696C
Cationic photopolymerization, 46C, 343C
Cationic polyacrylamides, 2525C
Cationic polyelectrolyte, 101P
Cationic polymerization, 398C, 613C, 1060C, 1067C, 1249C, 1258C, 1269C, 3159C, 3239C, 3365C, 3832C, 3928C, 2225P, 2397P
Cationic polymerization in the presence of added base, 751C
Cationic ring-opening polymerization, 1305C, 2134C, 3967C
Cationically polymerizable group, 1169C
Catonic polymerization, 3751C
Cavitation, 2081P
Cell theory, 515P
Cellulation, 2874P
Cellulose, 1931C, 451P
Cellulose ester, 376C
Cellulose triacetate, 1942P
Cetyl–eicosyl methacrylate (CEMA), 947C
Chain conformation, 1678P, 2705P
Chain extender, 2607P
Chain extension, 630C
Chain friction, 2363P
Chain mobility, 2615P
Chain motion, 2491P
Chain packing, 559P
Chain transfer, 1099C, 2911C, 3434C, 3566C
Chain transfer to monomer, 3392C
Chain transfer to polymer, 3513C
Chain-end control, 1060C
Chain-extension, 2508C
Chain-folded lamellar crystals, 2622P
Chain-transfer agent, 1106C
Characterization, 693C, 2189C, 2326C, 2710C
Charge, 332P
Charge transfer, 2859C, 4083C
Charge transfer complexes, 459P
Charge transfer polymerization, 2069C
Charge-transfer complexes, 253C, 3593C
Chelate, 3018C
Chemical copolymerization, 2482C
Chemical imidization, 1824P
Chemical modification, 1460P
Chemical polymerization, 2471C
Chemoselective polyesterification, 78C
$\chi^{(3)}$, 3686C
Chiral, 4255C
Chiral ligand, 2027C
Chiral silyl group, 71C
Chitooligosaccharide, 880C
Chito-oligosaccharide, 1810C
Chitosan, 169C, 1646C, 4174C, 985P, 3114P
Chitosan/poly(ethylene glycol), 236P
Chlorinated paraffin, 23P
Chlorinated polyethylene, 23P
Chlorine-functionalized polymer, 389C
Chloroacetyl, 4174C
(4-Chlorophenyl)ethylketene, 2093C
Cholesteric epoxy resins, 2847C
Choral, 3556C
Chromophores, 1366C
Circular dichroism, 3180C
Cis-1,4-polybutadiene, 2244C, 2256C, 811P
Cis-trans isomerization, 833C
Cis-transoid, 3180C
Cis-type structure, 913C
Citric acid, 3475C
Clay, 446P, 2407P, 2430P
Cloud-point temperature, 901P
CO_2, 1505P
Coalescence, 601P
Coatings, 4227C, 1460P, 2290P
Cobalt, 2378C
Cobalt octanoate, 2244C, 2256C
Cobalt(III) acetylacetonato, 2793C
Cold crystallization, 1920P
Cold plasma, 3052C
Collective diffusion coefficient, 2315C
Colloidal crystal structure, 78P
Colloidal dispersions, 294C
Colloids, 2929C, 3106C, 3199C
Colonic bacteria, 3128P
Colon-specific drug delivery, 3128P
Comb polymer, 4129C
Combinatorial chemistry, 3475C

Combinatorial measurements, 2141P
Combined lower critical solution temperature/upper critical solution temperature (LCST/UCST), 1605P
Comblike polymer, 1548P
Compatibility, 2633C
Compatibilization, 601P
Complex formation, 2859C
Complex impedance, 1017P
Composites, 4274C
Composition drift, 2363P
Compressibility, 1766P
Compressive stress, 1122P
Computer modeling, 3761C
Computer simulation, 2915P
Concentrated emulsion, 757C
Concentration influences, 651P
Conducting blends, 2539P
Conducting composites, 2539P
Conducting polymer composites, 2833P
Conducting polymers, 2164C, 2308C, 3137C, 3485C, 3989C, 4083C, 2481P
Conductive film, 332P
Conductive plastics, 1415P
Conductivity, 3218C
Configurational entropy, 1484P
Conformation, 1149C, 1085P, 1553P, 3038P
Conjugated polymers, 2463C, 2867C, 3143C, 3151C, 3278C, 3989C, 4083C, 4101C, 4119C
Constitutional isomerism, 416C
Constrained geometry catalysts, 1616P
Constraint release, 2501P
Contact angle, 3622C, 920P
Contact glow-discharge electrolysis, 1584C
Contact mechanics, 1195P, 3090P
Contact-angle analysis, 623P
Controlled crystallization, 955C
Controlled polymerization, 604C
Convective constraint release, 2275P
Convergent growth, 1295C
Convergent living anionic polymerization, 152C
Cooperative relaxation, 1312P
Cooperativity, 32P, 2118P
Coordination, 1246P
Copolyamides 12.6/12.1,4-cyclohexanedicarboxylic acid, 833C
Copolycondensation, 408C
Copolyesters, 1743C, 1553P, 1889P, 1900P, 1911P, 2607P
Copoly(ethylene terephthalate-imide)s, 408C
Copolyimide, 796P
Copolymer architecture, 459C
Copolymer classification, 1578P
Copolymer composition, 1753C
Copolymer composition distribution, 2800P, 2819P
Copolymer gel particles, 1928P
Copolymerization, 597C, 913C, 2196C, 2751C, 3073C, 3227C, 3263C, 3294C, 3304C, 3348C, 3655C, 3716C, 3761C, 3916C, 3989C, 4025C
Copolymers, 56C, 724C, 2326C, 2911C, 1272P, 2793P, 2800P
Copper, 1696C, 1833C
Copper mediated atom transfer radical polymerization, 2691C
Core–shell particles, 1435C, 2085C, 2642C
Core–shell polymers, 4152C
Core-set, 1957P
Correlation function, 881P
Correlation time (τ_c), 993P
Corresponding state, 515P
Cosurfactant, 898C
Counteranion, 1067C
Counterion effect, 2888P
Coupling reaction, 3034C, 3121C
Creep, 32P, 645P, 2048P, 2692P
Critical concentration, 2539P
Critical exponent, 2539P
Critical micelle concentration, 2767C
Critical necking tension, 1629P
CROP, 437C
Cross coefficients, 1496P
Crosslink density, 2207P
Crosslinker, 964C
Crosslinking, 1589C, 1656C, 2151C, 2847C, 2978C, 4152C, 129P, 228P, 1686P, 2159P, 2198P
Crosslinking of mixtures with polycarbonate, 1149C
Crosslinking reaction, 530C, 3246C
Crown ethers, 1978C
Crystal, 973P, 2005P
Crystal orientation, 1263P
Crystal packing, 1036P
Crystal structures, 1426C, 1892C, 1224P, 1296P, 1553P, 2982P
Crystalline morphology, 1578P
Crystalline structure, 484P
Crystallinity, 408C, 1557C, 451P, 1437P, 1565P, 1721P
Crystallization, 841C, 3250C, 3371C, 4249C, 153P, 300P, 446P, 536P, 811P, 1404P, 1505P, 1553P, 1594P, 1860P, 1911P, 2615P, 2705P, 2727P, 2800P, 2819P, 3073P
Crystallization analysis fractionation (CRYSTAF), 1616P
Crystallization behavior, 634P
Crystallization kinetics, 771P, 1001P, 2097P, 2469P, 2874P
Crystallization-induced sequential reordering, 1337P
Cu(0), 1120C
Cu_2O, 1120C
Cu_2S, 1120C
Cu_2Se, 1120C
CuBr, 1120C
CuCl, 1120C
Cure behaviors, 326P
Cure kinetics, 2397P
Curing, 2215C, 374P
Curing agent content, 374P
Curing behavior, 868C
Curing kinetics, 1525P
Curing of polymers, 3085C
Curing reaction, 1456C
Curl, 1957P
Curtius rearrangement, 514C
Curvature, 236P
Cyanate esters, 3085C
Cyanobiphenyl mesogenic group, 4035C
Cycles, 2723C
Cyclic 1,2-disulfide, 145C
Cyclic carbonate, 162C, 851C, 1305C, 3678C
Cyclic monomer, 265C
Cyclization, 1280C
{2 + 2} Cycloaddition, 3789C
Cycloaddition polymerization, 3593C
Cycloaliphatic epoxide, 2799C
Cyclodextrin, 169C, 2206C, 2731C
1,2-Cyclohexanediamino-*N,N'*-bis(3,5-dit-butyl-salicylidene) manganese chloride, 3733C
Cyclohexanedimethanol, 665C
1,4-Cyclohexanedimethanol, 2508C
Cyclohexenyl ether group, 1481C
2-Cyclohexylidene-1,3-dioxolane-4-yl-methyl methacrylate, 2326C
Cyclolinear phosphazene polymer, 2993C
Cyclopentadiene, 398C
Cyclopentadienyliron moieties, 2716C
Cyclophane, 1892C
Cyclopolymerization, 4101C
Cyclopolymers, 640C
Cysteine, 23C

Damage process, 2081P
Damping, 23P
Damping function, 2692P
Dark spot, 1697P
Dead-end polymerization, 2740C
Deformation, 2635P
Degradable polymers, 2508C
Degradation, 117C, 706C, 927C,

973C, 2494C, 2904C, 3043C, 3130C, 1460P, 2290P
Degradative chain transfer, 3392C
Degree of branching, 2536C
Degree of crystallinity, 3263C
Degree of polymerization, 2491P
Degree of substitution, 376C
Dehydrogenation polycondensation, 2658C
Demetallation, 1216C
Dendrimers, 821C, 918C, 1940C, 2308C, 2859C, 3112C, 3287C, 1381P, 1651P, 1766P
Dendritic, 152C, 2751P
Dendritic polymer, 964C
Dendritic polyurea, 1295C
Density functional theory, 2287C, 3566C
Density functional theory (DFT) calculations, 3761C
Density of states, 1513P
Dental polymers, 4274C
Depolymerization, 3159C
Depropagation, 1753C
Deprotection, 3893C
Dequaternization, 389C
Derivatives, 880C
Desorption, 218P
Deswelling kinetics, 335C
Deswelling rate, 2315C
Deswelling time, 2315C
Deterioration, 2290P
Deuterium NMR, 645P
Device degradation mechanism, 1697P
Dextran, 2740P
DGEBA, 2397P
D-Glucuronic acid, 3893C
Diacetylenic monomers, 4025C
Diacid chloride, 2951C
Diacyl chlorides, 368C
Dialdehydes, 3739C
Dialkoxybenzenes, 2164C
Diallyidimethylammonium chloride, 640C
Diamines, 860C, 3739C, 3826C, 4091C
1,8-Diazabicyclo- 5.4.0}undecene-7, 530C, 1764C
Diazenes, 1391C
Diazonaphthoquinone compound, 934C, 3451C
Dibenzyl trithiocarbonate, 3934C
Diblock copolymerization, 357C
Diblock copolymers, 294C, 663P, 2217P
Dibutylstannylated polysilsesquioxane, 2125C
Dibutyltin oxide, 2125C
Dibutyltindilaurate (DBTDL), 2978C
Dicarboxylic acid, 196C
Dichroism, 915P
Dicumyl peroxide (DCUP), 2151C, 2198P
Dielectric analysis, 1381P
Dielectric properties, 3335C, 286P, 1968P, 2759P
Dielectric relaxations, 860P, 1173P, 2491P
Diepoxides, 3024C
Diethyl 2,3-dicyano-2,3-diphenyl-succinate, 3464C
Diethyl oxomalonate, 1203C
Diethylaluminum chloride, 2244C, 2256C
Differential scanning calorimetry (DSC), 841C, 1994C, 2896C, 3043C, 3789C, 4035C, 91P, 129P, 300P, 337P, 496P, 736P, 750P, 771P, 881P, 1017P, 1326P, 1860P, 2005P, 2108P
Differential scanning calorimetry measurements, 2572P
Differential sorption experiments, 1529P
Diffraction, 1036P
Diffraction coefficient, 2557C
Diffusion, 908P, 1160P, 1449P, 1756P, 2664P, 2774P, 2860P, 3020P, 3114P
Diffusion coefficient, 2978C, 2781P
Diffusion coefficient of water, 2175P
Diffusion reaction theory, 1697P
Difunctional acid of phosphorus, 3024C
Difunctional epoxy, 121P
Dihydric phenol, 2108P
4,4′-Dihydroxydiphenyl ether, 2108P
4,4′-Dihydroxydiphenyl methane, 2108P
4,4′-Dihydroxyphenyl, 2108P
Diimide-dicarboxylic acid, 63C
Diisocyanate, 514C, 2620C, 3112C
4,4′-diisophenylmethane diisocyanate, 630C
2,5-diketopiperazine, 927C
Dilation, 1255P
Dilatometry, 32P
Dilute polymer solution, 211P
Dilute regime, 1756P
Dimethacrylic 1,3-bis(*p*-carboxyphenoxy) propane, 4189C
Dimethacrylic sebacic anhydride, 4189C
2,3-Dimethoxy butanediol, 3250C
Diolether, 620C
1,3-Dioxepane, 437C
1,3-Dioxolan-4-one, 1629C
Dipheny(2,3-dihydro-2-thioxo-3-benzoyl)phosphonate, 78C
1,1-Diphenylethylenes, 2058C
Diphenylmethane unit, 1733C
Diphenylmethylene, 1156C
Dipolar correlation effect, 2207P
Dipole moments, 286P, 2759P
Direct nonradiative energy transfer, 2302P
Direct photolithographic feature, 1419C
Direct polycondensation, 78C, 775C, 3304C, 3498C
Dispersion copolymerization, 555C
Dispersion polymerization, 3434C, 3707C
Dispersions, 3707C
Disproportionation, 4189C
Dissolution, 1708C
Distance distribution function, 2340P
Distyrylbenzene derivatives, 2571C
1,2-Dithiacycloheptane, 145C
Dithiafulvene, 4083C
1,2-Dithiane, 145C
DMAEMA, 3780C
Dodecane-1-thiol, 1106C
4-Donor-4′-acceptor azobenzene, 2296C
Donor–acceptor norbornadiene, 2683C
Donor–acceptor-type norbornadiene, 1764C
Doped polyaniline (PANI), 2481P
Doping, 1061P
Double melting, 2005P
Drag coupling, 2501P
Drawing by solid-state coextrusion, 1371P
Drawing temperature, 1629P
Drug delivery systems, 3861C
Drying, 1496P, 1824P
Dual melting, 881P
Dual-mode gas sorption, 868P
DVB, 320C
Dye photoinitiators, 4074C
Dye-embedded diol, 2620C
Dye-labeled polymers, 239C, 1495C
Dynamic behavior, 956P
Dynamic light scattering, 2315C
Dynamic mechanic analysis, 224C
Dynamic mechanical analysis, 1P, 32P, 1017P, 1394P
Dynamic mechanical properties, 23P, 3067P
Dynamic mechanical relaxations, 1282P, 1889P, 1900P
Dynamic mechanical spectroscopy, 1721P
Dynamic mechanical thermal analysis (DMTA), 146P
Dynamic mechanical thermoanalysis, 1426C

Dynamic properties, 2906P
Dynamic swelling method, 3106C
Dynamic viscoelasticity, 337P
Dynamical mechanical behavior, 146P
Dynamics, 2315C, 256P

Effect of drawing, 247P
Effect of ionic group position, 2888P
Effect of proton trap, 1675C
Elastomers, 1733C, 4068C, 256P, 811P, 1122P, 2081P
Elastoplastic, 2843P
Electric field, 236P, 332P
Electrical breakdown, 1741P
Electrical conductivity, 3151C, 129P, 559P
Electrical properties, 459P, 1371P
Electroluminescence, 2308C
Electron beam irradiation, 4110C
Electron density, 868C
Electron energy, 175P
Electron spin resonance (ESR), 2151C, 1437P
Electron spin resonance (ESR) spectrum, 2196C
Electron transfer, 2937P
Electronic modulation, 326C
Electronic packaging, 2799C
Electron-transfer photosensitization, 1187C
Electron-withdrawing group, 1016C
Electro-optic coefficient, 1162C
Electrooptic effect, 2557C
Electro-optical properties, 507P
Electrospinning, 2598P
Electrostatic interparticle interaction, 78P
Electrostriction, 2793P
Elemental analysis, 2326C
Ellipsometry, 709P
Elongation, 1976P
Elongation method, 2677C
Elongational viscosity, 228P, 2159P
Emulsifier-free polymerization, 1634C
Emulsifying, 2625C
Emulsion, 525C, 2813C
Emulsion blends, 1093P
Emulsion copolymerization, 562C
Emulsion polymerization, 585C, 1005C, 1081C, 1106C, 1634C, 1860C, 2547C, 2642C, 2696C, 2767C, 2832C, 2929C, 3093C, 3356C, 3513C, 3633C, 3940C
ENAG, 1928P
Enantiomorphic-site control, 1060C
Enantioselective, 2027C
End functionality, 2911C
End functionalization, 3034C
End groups, 665C, 973C
End-functionalized polymer, 398C
Energy calculation, 1296P
Energy dissipation, 2843P
Energy transfer, 1366C
Entanglement loss, 2275P
Entanglement molecular weight, 1704P, 2378P
Entanglements, 1704P, 2183P, 2363P
Enthalpy, 1565P
Enthalpy distribution, 1513P
Entropy, 1565P
Enyne, 1016C
Enzyme-catalyzed transesterification, 1931C
Enzymes, 2896C, 3043C
Eosin Y, 715C
Epibromohydrin, 530C
Epoxidation, 307C
Epoxide, 3137C, 1129P
Epoxide monomers, 2385C, 3578C
Epoxide ring-opening polymerization, 1187C
Epoxies, 2215C, 507P, 915P, 2996P
Epoxy compound, 1329C
Epoxy copolymer, 3726C
Epoxy resins, 187C, 868C, 115P, 363P, 1071P, 1137P, 1326P
EPR studies, 1843C
Equal-channel angular extrusion, 1394P
Equation of state, 342P
Equilibrium polymerization, 3159C
Equivalent box model, 1093P
ESR, 706C, 2035P
ESR/EPR, 4009C
ESR spectrum, 1269C
Ester moiety, 1305C
Esterification, 530C, 4174C
Ethene, 446C
Ethene polymerization, 1426C, 3566C, 4243C
Ethyl (4-methoxyphenyl)ketene, 1596C
2-Ethylanthraquinone, 343C
3-Ethyl-3-(glycidyloxymethyl)-oxetane, 368C
Ethylene–α-olefin copolymer, 228P
Ethylene copolymers, 1578P
Ethylene–octene copolymers, 1578P
Ethylene oligomerization, 1901C
Ethylene polymerization, 1681C, 1901C, 1915C, 2085C
Ethylene–propylene copolymer, 1255P
Ethylene–propylene rubber, 1255P
Ethylene–styrene copolymers, 1578P
Ethylene terephthalate–caprolactone copolyester, 232C
Ethylene–vinyl alcohol copolymer, 1638P, 2843P
Ethylene-α-copolymers, 1860P
Ethylene-butene rubber, 239C
3,4-Ethylenedioxythiophene (EDOT), 2164C
Ethylphenylketene, 2078C
2-Ethynylpyridine, 3151C
Etylene–propylene–diene copolymer, 1017P
Eutectic mixture, 496P
Eutectic point, 1484P
EXAFS, 197P
Exchange NMR, 2444P
Excimer, 1272P
Exciton chirality method, 3556C
Exfoliation, 1360P
Extended Kelen–Tüdős method, 3716C
Extended X-ray absorption fine structure (EXAFS), 2572P
External conditions, 548P
Extinction coefficient, 2481P
Extrusion, 2461P
Extrusion foaming, 342P

Fatigue crack growth, 3103P
$FeCl_2$/isophthalic acid, 2943C
$FeCl_3$/isophthalic acid, 765C
Ferric oxide, 3707C
Ferric tri(diethyldithiocarbamate), 3464C
Ferrocene, 3112C
Ferroelectric phase transition, 689P
Ferroelectricity, 2793P
Fiber diffraction, 2622P
Fiber tensile strength, 2565C
Fibers, 2048P, 2598P
Fickian diffusion, 218P
Filled, 256P
Filled composite, 1137P
Filled polymers, 3090P
Filler-polymer interaction, 439P
Film formation, 389C
Film-forming ability, 383C
Films, 985P, 1942P, 1957P
Fineman–Ross method, 3716C
Five-member cyclic dithiocarbonates, 3967C
Flame retardance, 2904C, 3875C
Flameproof material, 3875C
Flame-retardant epoxy resin, 986C
Flexible polymer, 2915P
"Flexibility ratio" glass transition, 515P
Flocculation, 2642C
Flory–Huggins, 581P
Flory–Huggins parameter, 1255P
Fluid mechanics, 2598P

Fluorene-based polymer, 3143C
Fluorescence, 1366C, 2867C, 1272P, 1794P, 2302P, 2317P, 2937P
Fluorescence microscopy, 2317P
Fluorescent polymers, 1495C
Fluorinated films, 4227C
Fluorinated polyimides, 2404C, 2581C
Fluoroacrylates, 4227C
Fluorocarbon methacrylate, 2223C
Fluoropolymers, 3008C, 3143C, 3335C, 3751C, 4227C
Foam growth, 868P
Foaming, 2159P
Forced Rayleigh scattering, 843P
Formation energy, 2287C
Fourier transform infrared (FTIR), 736P, 1129P, 1665P, 1942P, 2108P, 2175P, 2906P
Fourier transform infrared (FTIR) analysis, 620C
Fourier transform infrared (FTIR) spectroscopy, 536P, 1437P, 1651P
Fourier transform real-time infrared spectroscopy, 2385C, 3578C
Fox equation, 1472C
Fractionation of polymers, 2800P
Fracture, 363P, 2081P, 2363P, 2635P, 2947P
Fracture behavior, 1137P
Fracture toughness, 2996P
Fragility, 2118P
Free enthalpy, 1565P
Free radical, 2151C
Free radical ring opening, 202C
Free volume, 342P, 1638P, 1659P, 1889P, 1900P, 2290P
Free-energy model, 2671P
Free-radical entry and exit, 2547C
Free-radical inhibitor, 4189C
Free-radical initiators, 1391C
Free-radical polymerization, 525C, 2889C, 3227C, 391P, 404P
Free-volume, 32P
Friction coefficients, 1496P
Friction transfer, 432P
Friedel–Crafts reaction, 1203C
Frontal polymerization, 1075C
Frozen-in birefringence, 2252P
Fullerenes, 3981C, 2436P
Functional conjugated polymers, 2557C
Functional groups, 335C
Functionalization, 2058C, 2929C
Functionalization of polymers, 955C, 2874C, 3211C, 3770C, 4022C
Functionalized dienes, 3227C
Functionalized polyactide, 973C
Functionalized polyHIPE, 956P
Functionalized polystyrene, 1203C, 2058C
Functionalized poly(vinyl chloride), 1675C

γ-MPTS, 8C
Gas barrier, 1889P, 1900P, 1911P
Gas permeation, 3114P
Gas phase, 500C
Gas transport, 786P, 2519P
Gel electrolyte, 2223C, 1519P
Gel permeation chromatography (GPC), 706C, 3085C, 3902C, 4139C, 2960P
Gel structure, 2340P
Gelatin gel, 224C
Gelation point, 1326P
Gels, 1106C, 228P, 1824P, 2168P, 2183P
Glass relaxation process, 2198P
Glass transition, 146P, 1565P, 1594P, 2118P, 2243P, 2664P, 2898P, 2906P, 3038P
Glass-transition temperature, 408C, 519C, 1920P
Glass-transition-temperature depression, 868P
Glassy polymers, 2444P
Glassy state, 1889P, 1900P
Globular transition, 1766P
Glucosamines, 2332C
Glycerol, 1203C
Glycidyl methacrylate, 880C, 3716C
Glycidyl phenyl ether, 3365C, 3832C, 3928C
Glycidylmethacrylate/vinyl acetate (G/V) copolymers, 4051C
Glycine, 1036P
Glycine derivatives, 4283C
Glycoconjugated polystyrene, 4061C
Glycomonomer, 3893C
Glycopolymers, 3841C, 3893C
Glycosylamines, 2332C
Graft copolymerization, 486C, 604C, 1877C
Graft copolymers, 650C, 2943C, 3137C, 3547C, 3797C, 1519P
Grafted polymer, 2723C
Grafting, 169C, 446C, 3633C, 2843P
Grafting efficiency, 3633C
Grafting from, 4294C
Grain growth, 2231P
Graphitization, 3011P
Group IV, 313C
Growth rates, 415P
Gyroid, 843P

^{1}H NMR, 656C, 665C, 2471C, 2482C, 129P
Half-sandwich, 313C, 2805C
Half-titanocene, 2805C
Halogenated, 3073C, 3348C
Halogenation, 4174C
Hard segment, 634P
Hardness, 3020P
Haze, 2923P
Headspace gas chromatography, 651P
Head-to-tail, 2287C
Head-to-tail-ordered, 416C
Heat capacity, 1565P, 1766P, 3038P
Heat-resistant polymer, 2658C
Heck reaction, 677P
Helical polymer, 71C
Helix, 1610C, 3180C
Helix–coil transition, 1572C
Helix–helix transition, 1610C
Hemispheric cap, 2333P
Heteroaromatic oligomers, 872C
Heteroatom, 127C
Heteroatom-containing polymers, 3383C, 3989C
Heterocycles, 872C
Heterocyclic compound, 1280C
Heterogeneous, 4174C
Heterogeneous polymerization, 2196C
Heterogeneous polymers, 3024C
Heterogeneous solution polymerization, 539C
Heterotelechelich polymer, 23C
Hexafluoropropylene, 2793P
Hexafunctional discotic initiator, 2233C
Hidrophilic polymers, 3250C
High conversion, 539C
High molecular weight, 2143C, 4068C, 1027P
High pressure, 2063P, 3055P
High temperature polymers, 3826C
High-density polyethylene (HDPE), 2781P, 2923P
High-density polyethylene (HDPE)/glass-bead blends, 1855P
High-density polyethylene (HDPE)/graphite powder (GP), 2833P
Higher order structure, 13P
High-performance polymers, 3505C
High-pressure preparation, 2315C
High-refractive index, 3419C
High-resolution solid-state ^{13}C NMR, 3989C
High-speed melt-spun nylon-6 fiber, 993P
High-speed shrinkage, 2315C
High-speed spinning, 964P

High-temperature zone drawing, 1263P
Hindered phenol, 23P
Hindered polyacrylamides, 1960C
Hinged polypeptides, 2759P
Hofmeister series, 2740P
Hole-transporting materials, 3278C
Hollow-fiber flow field flow fractionation, 1756P
Hollow-formation mechanism, 1435C
Hollow-particle latex, 1435C
Homogeneous catalyst, 3692C
Homogeneous solution imidization, 4139C
Homopolymerization, 3716C
Hot stage optical polarized microscope (HOPM), 2396C
Hot-stage optical microscopy, 3073P
5(4H)-ox-azolone, 3655C
Huggins coefficient, 211P
Humidity sensors, 459P
Hybrid, 152C, 3419C
Hybrid material, 1342C
Hydantoin, 3348C
Hydration, 1129P
Hydrazine as the diamine, 1040C
Hydrazone derivatives and oksime derivatives, 4167C
Hydrazones, 1391C
Hydrocarbons, 1160P
Hydrodynamic interaction, 211P
Hydrogels, 56C, 1505C, 3751C, 3780C, 2168P, 3128P
Hydrogen, 1449P
Hydrogen bonding, 224C, 2043C, 129P, 736P, 1348P, 1665P, 1778P, 2436P
Hydrogen bonds, 23P, 496P, 1129P, 2108P, 2898P
Hydrogen chloride (HCl), 2481P
Hydrogen diffusion and permeation, 425P
Hydrogenated block copolymer, 13P
Hydrogenation, 732C
Hydrogen-bonding interaction, 1815P
Hydrolysis, 23C, 1450C, 1629C
Hydrophilic, 2378C, 2625C
Hydrophilic monomers, 555C, 1843C
Hydrophilic polymers, 2957C, 3893C, 4061C
Hydrophobic association, 1403C
Hydrophobic monomer, 555C
Hydrophobicity of side chains, 56C
Hydrosilane telechelic polyhybridsiloxane, 2414C
Hydrosilation, 2308C, 2937C
Hydrosilylation reaction, 4035C
2-Hydroxyethyl methacrylate, 117C, 1342C, 2043C
Hydroxyl end capped, 1027P
6-Hydroxy-2-naphthoic acid, 2847C
3-(4-Hydroxyphenyl)propionic acid, 3043C
Hydroxypropylcellulose, 1976P
Hydroxyterminated polybutadiene (HTPB), 2978C
Hydroxyurethane, 162C, 3678C
Hyperbranched, 152C, 2536C, 3018C, 3287C, 3304C, 3383C, 3547C, 3851C, 2562P
Hyperbranched poly(glycidol), 2225P
Hyperbranched polymers, 964C, 1651P
Hyperbranched polyurea, 1295C

Idenyl, 127C
Imidazolidin-4-one derivatives, 3073C
Imide, 3419C
Imide ring-preformed diacid chlorides, 1786C
Imidization, 3011P
Immobilization, 326C
Immobilized enzyme, 3655C
Impact toughness, 1855P
In situ atom transfer radical polymerization (ATRP), 4001C
In situ crosslinking, 807C
In situ observation, 3103P
Inclusion complex, 2731C
Indentation, 3020P
Induced chiral helix, 913C
Induced circular dichroism, 3180C
Infrared dichroism, 1942P
Infrared spectroscopy, 3989C, 484P
Inherent viscosity, 177C
Inhomogeneities, 2444P
Initiating radical, 4206C
Initiators, 3604C, 3928C
Initiators, water-soluble polymers, 4265C
In-line monitoring, 1860C, 2302P
Inorganic materials, 4035C, 4294C
Inorganic polymers, 3383C, 4196C
In-plane orientation, 3011P
Interaction configurations, 1129P
Interaction energies, 1948P
Interaction parameters, 1472C, 651P
Intercalated nanocomposite, 1137P
Intercalation, 1678P
Interface distribution function, 881P
Interfaces, 4119C, 2351P, 2589P, 2664P, 2843P
Interfacial adhesion, 363P
Interfacial energy, 920P
Interfacial modification, 819P
Interfacial polymerization, 2696C
Interfacial width, 2363P
Intermediate, 2069C
Intermolecular associations, 196C, 3884C
Intermolecular hydrogen bond, 168P
Internal reflection prism waveguide coupler, 2481P
Interparticle distance, 1855P
Intramolecular hydrogen bond, 559P
Intrinsic viscosity, 2978C
Iodine-based initiators, 3392C
Iodonium salt, 2937P
Ion conductivity, 2223C, 1519P
Ion range, 757P
Ion recombination, 4110C
Ion-beam irradiation, 314P
Ion-exchange membranes, 3211C
Ion-exchange resin catalysts, 2364C
Ionic associate, 3953C
Ionic association, 2572P
Ionic conductivity, 2225P, 2407P
Ionic content effect, 2888P
Ionic poly(*p*-phenylene terephthalamide), 2653P, 2888P
Ionic-conduction mechanism, 1246P
Ionizing radiation, 1129P
Ionomer membranes, 3008C
Ionomers, 3211C, 3770C, 3953C, 197P, 477P, 1017P
IPNs, 1935P
IR characterization, 2653P
IR spectroscopy, 1860C, 908P
Irradiation, 3356C, 1129P, 1415P, 2035P
Isobutoxyallene, 1564C
Isobutyl vinyl ether, 1067C
Isoconversion, 1525P
Isolated chromophores, 872C
Isomerization, 3967C, 2759P
Isophthalate, 1553P
Isopropylidene group, 3893C
Isotactic, 3556C, 1876P
Isotactic copolymer, 2027C
Isotactic polypropylene, 2852P
Isotactic polypropylene/high-density polyethylene blends, 1404P
Isotacticity, 1180C
Isothermal crystallization, 1876P, 2982P
Itaconic acid/styrene copolymerization, 656C

Jets, 2598P
Junction length, 943P
Junction multiplicity, 943P
Junction structure, 943P

Ketocoumarin sensitizer, 134C
Ketoethylmethacrylate, 4167C
Ketones, 2874C
Kevlar, 2048P
Kinetic, 2740C
Kinetic constants, 1843C, 2049C, 2444C
Kinetic mechanism, 4139C
Kinetic models, 4139C
Kinetic parameters, 4139C
Kinetics, 162C, 486C, 1005C, 1901C, 2179C, 2315C, 2471C, 2482C, 2547C, 2793C, 3034C, 3199C, 3311C, 3633C, 3902C, 4009C, 4206C, 750P, 1055P, 3073P
Kinetics of ethylene polymerization, 1681C
Kinetics (polym.), 2978C, 3024C, 3093C, 3604C, 4139C
Kraton™ thermoplastic elastomers, 677P

Lactic acid, 724C
Lactide, 284C, 973C
Ladderlike polyepoxysiloxane, 2215C
Lamellar crystals, 729P
Lamellar thickness, 1860P
Langmuir probe, 175P
Langmuir–Blodgett films, 2957C
Laser light scattering, 703P
Laser scanning confocal fluorescence microscopy, 239C
Latent initiators, 3928C
Latent ion-track, 757P
Latent polymeric initiator, 3832C
Latent properties, 326P
Laterally attached side rods, 1288C
Laterally attached side-chain liquid crystalline polynorbornenes, 3029P
Latex blends, 389C, 2302P, 2317P
Latex films, 1495C, 2302P, 2317P, 3090P
Latex particles, 525C
Latices, 2302P, 2317P
Lattice fluid model, 1484P
Lattice–fluid theory, 1948P
Lauryl methacrylate, 947C
Layered silicate, 115P
Lewis acid, 1060C, 1067C, 1463C
Ligation, 1774C
Light harvesting, 1366C
Light microscopy, 2130P
Light scattering, 184P, 2071P, 2231P
Light-emitting diodes, 2867C
Light-emitting polymers, 2454C, 3278C
Linear–dendritic, 918C
Linear hydrocarbon, 1713P
Linear low-density polyethylene (LLDPE) blend, 218P, 2159P
Linear polyethylene, 1955C
Linear viscoelasticity, 2252P, 2692P
Line-shape analysis, 1749P
Linking reactions, 320C
Lipase, 1601C
Lipase catalysis, 1721P
Liquid chromatography, 1099C
Liquid crystalline, 2396C, 3029P
Liquid crystalline epoxy resins, 2847C, 374P
Liquid crystalline poly(aryl cinnamate), 134C
Liquid crystals, 581P, 1055P, 2671P
Liquid-crystalline hybrid polymers, 4035C
Liquid-crystalline phase formation, 1976P
Liquid-crystalline polymers, 1242C, 1288C, 2957C, 3043C, 3263C, 3953C, 2653P, 2888P, 2915P
Liquid-crystalline theromsets, 915P
Lithiated polysulfone (PSU), 2874C
Lithiation, 675C, 2103C
Lithium aluminum hydride, 3789C
Lithium ion conductivity, 3137C
Living anionic alternating copolymerization, 2078C
Living anionic polymerization, 1596C, 1955C, 2093C
Living azeotropic copolymerization, 1515C
Living cationic copolymerization, 1515C
Living cationic polymerization, 459C, 746C, 3190C
Living coordination polymerization, 495C
Living free-radical polymerization, 320C
Living nature, 751C
Living polymerization, 398C, 1016C, 1249C, 1258C, 3034C, 3121C, 3539C, 3547C, 3604C, 3692C, 3934C, 4001C
Living radical, 1232C, 2777C
Living radical copolymerization, 2670C
Living radical graft copolymerization, 1120C
Living radical polymerization, 145C, 1696C, 1833C, 2206C, 3392C, 3780C
Living ring-opening polymerization, 357C
LJD potential, 515P
L-Lysine, 3475C
Local molecular mobility, 993P
Local motions, 2444P
Local order, 129P
Long period, 2454P
Long relaxation time, 2692P
Long-chain α-olefins copolymerization, 1136C
Long-chain α-olefins polymerization, 2005C
Long-chain branching, 3805C, 1616P, 2549P
Long-lived polymer radical, 2196C
Low dielectric constant, 1288C
Low magnitude fields, 2207P
Low-density polyethylene, 391P, 404P, 1741P, 2960P
Lower critical-solution temperature, 2351C, 2784C, 1948P
Luminescence, 2859C, 3143C, 3151C, 3428C, 4101C, 4110C
Luminescent polymers, 3168C
Lyocell, 2048P
Lyotropic, 2710C
Lyotropic series, 2740P

Macrocycles, 3371C
Macrocylic, 951C
Macroiniferter, 1450C
Macroinitiator, 546C, 604C
Macroinitiator/isonitrile/allylnickel catalyst, 495C
Macromolecular architecture, 650C
Macromonomer copolymerization, 2223C
Macromonomers, 2378C, 2767C, 3505C, 3547C, 3797C, 3902C, 1519P
Magnetic, 3707C
Magnetic field, 915P
Magnetic orientation, 1942P
Magnetic polymers, 3707C
Magnetic resonance imaging, 1075C
Maier–Saupe, 581P
Main-chain liquid-crystalline (LC) polymers, 1749P
Main-chain polyrotaxanes, 1978C
Mainchain scission, 706C
MALDI-TOF-MS, 1249C, 1258C
Maleic anhydride, 3246C
Maleimide copolymers, 1589C
Mandelic acid, 724C
Mannaric acid, 1024C
MAPTAC, 1031C
Markov distribution, 3716C

Markovian statistics, 404P
Mass transport, 868P
Master curve, 1638P
Material property, 47P
Mathematical model, 585C
Mathematical modeling, 1106C
Maximum diameter, 201P
Maximum draw ratio, 1263P
Maximum-entropy method, 1513P
Mayo-dimer formation, 4009C
Mechanical properties, 63C, 1557C, 2799C, 3498C, 451P, 566P, 931P, 1093P, 1371P, 1920P, 1968P, 1987P, 1995P, 2436P
Mechanical relaxations, 286P, 860P
Mechanism, 486C, 597C, 1892C, 2287C
Mechanism of degradation, 3128P
Mechanism transformation, 437C, 2134C
Mechano-sorptive effects, 2048P
Medium structure, 3320C
Melt, 2461P
Melt behavior, 2565C
Melt intercalation, 2430P
Melt structure factor, 1803P
Melt viscosity, 2378P
Melting, 601P, 1237P, 1565P, 1594P, 2005P, 2454P, 2800P, 2819P
Melting point depression, 1484P
Membrane gas separation, 2103C
Membranes, 3770C, 786P
Mesitylene, 2244C
Meta, 1242C
Metal–polymer complexes, 4083C
Metal-catalyzed, 1120C
Metal-catalyzed polymerization, 3392C
Metallocene, 127C, 2005C, 3692C, 2159P
Metallocene catalysts, 500C, 1901C, 1915C, 3805C, 4243C, 277P
Metallomesogens, 2342C
Metalloporphyrin, 326C
Methacrylate, 1269C, 1463C, 1696C, 2206C, 2378C
Methacrylate copolymers, 1948P
Methacrylates, 1391C, 1774C
Methacrylic hybrid copolymer, 1090C
Methacrylonitrile, 2911C
Methacryloyl-L-alanine derivatives, 56C
4-Methacryloyloxy-4′-{2-cyano-3-oxy-3- ω-methoxyoligo-(ethyleneglycol)}prop-1-en-1-yl}azobenzene, 2957C
Methanolysis, 430C
2-Methoxyaniline, 2471C, 2482C
4-Methoxybenzaldehyde, 2078C
4-Methoxyphenylboronic acid, 2093C
Methyl cellulose, 91P
Methyl methacrylate, 765C, 1051C, 1860C, 2547C, 3356C, 3443C, 3464C, 3761C, 3832C, 1272P
Methylaluminoxane, 2256C, 2793C, 2805C, 4068C
Methylaluminoxane (MAO), 2085C
Methylcellulose gel, 943P
$MgCl_2$-supported catalyst, 3733C
Micelles, 918C, 3485C, 3861C, 3940C, 101P, 2183P, 2996P
Michael addition, 880C, 3655C
Microdeformation, 2420P
Microdroplet, 101P
Microelectromechanical systems, 1237P
Microelectronics, 2581C
Microemulsion polymerization, 3199C, 3320C
Microemulsion polymerization kinetics, 898C
Microemulsions, 519C, 101P
Microhardness, 277P
Micrometer-size, 555C
Microphase-separated structure, 13P
Microspheres, 3707C
Microstructure, 2793C, 3227C, 4051C, 1360P
Microtubule, 997C
Microwave oven, 177C
Microwave-assisted rapid polycondensation, 177C
Miktoarm star copolymers, 437C, 2134C
Miniemulsion, 2520C
Miniemulsion polymerization, 1081C, 2696C
Miscibility, 8C, 1472C, 380P, 451P, 1381P, 1594P, 1778P, 1876P, 2390P, 2898P
Miscibility-induced sequential reordering, 1337P
Miscibilization, 1815P
Miscible blend, 2118P
Mixed anhydride condensation, 4189C
Mixed anhydride stability, 4189C
Mixing, 601P
MMA, 1463C
$Mn_2(CO)_{10}$, 2157C
Mobility, 32P
Model carbanions, 3121C
Model compounds, 2019C, 1296P
Modeling, 3513C, 2461P
Modification, 3348C
Modulated-temperature differential scanning calorimetry (MTDSC), 1659P
Modulus, 2420P
Molar ellipticity, 71C
Molecular alignment, 1713P
Molecular dynamic simulation, 594P
Molecular dynamics, 1968P, 2243P, 2333P
Molecular dynamics simulations, 689P, 973P, 3067P
Molecular kink, 1615C
Molecular mass distribution, 2751P
Molecular mechanics, 2243P
Molecular modeling, 3967C
Molecular motion, 835P
Molecular nucleation, 2969P
Molecular orbital calculation, 4196C
Molecular orientation, 1394P
Molecular structure, 1085P
Molecular weight, 500C, 656C, 91P, 2378P
Molecular weight control, 145C
Molecular weight distribution, 3513C, 3934C, 391P
Molecular weight distribution/molar mass distribution, 2960P
Molybdenum catalyst, 2463C
Monodisperse isotactic poly(methyl methacrylate), 1955C
Monodisperse syndiotactic poly(methyl methacrylate), 1955C
Monolayers, 2957C
Monomer, 2326C
Monomer distributions, 3884C
Monomer reactivity, 1825C
Monomer sequence, 196C
Monosaccharide, 4061C
Monotitanocene, 4068C
Monotropic liquid crystallinity, 4035C
Monte Carlo method, 391P
Monte Carlo simulation, 1337P, 2960P
Montmorillonite, 471P, 719P, 1360P, 1678P, 2097P, 2581P
Morphological characterization, 546C
Morphological factors, 796P
Morphology, 2755C, 3106C, 4243C, 446P, 477P, 566P, 763P, 1246P, 1371P, 1429P, 1741P, 1876P, 1995P, 2016P, 2217P, 2436P, 2454P, 2622P, 2671P, 2774P, 2874P, 2982P
Multiblock copolymer, 1594P
Multicomponent, 908P
Multicomponent diffusion, 1496P
Multicyclic polystyrene, 2723C
Multifunctional monomers, 3539C
Multiple melting, 2982P
Multiplet, 3953C

Multistep synthesis, 1027P
Mutual diffusion, 1496P

Nafion®, 548P, 1282P
n-Alkane blends, 2874P
Nanocalorimetry, 1237P
Nanochannels, 2519P
Nanocomposite material, 1C
Nanocomposites, 986C, 4294C, 115P, 446P, 471P, 645P, 719P, 1282P, 1360P, 2097P, 2430P, 2581P, 2727P, 3090P
Nanofibers, 2598P
Nanofiltration, 807C
Nanoindentation, 1824P
Nanolayers, 3529C
Nanoparticle, 703P
Nanoporous, 1288C
Nanorods, 3485C
Nanosized CdS clusters, 1429P
Nanotechnology, 2598P
Nanotubes, 3485C
NaOH/urea aqueous solution, 451P
Naphthalene emission, 101P
N-benzylpyrazinium hexafluoroantimonate, 121P
n-butane, 2179C
n-butyl acrylate, 1106C
N-chloro,*N*-propyl-*p*-toluenesulfonamide, 2691C
N-chlorosulfonamide initiator in atom transfer radical polymerization, 2691C
Near-edge X-ray absorption fine structure (NEXAFS) microscopy, 531P
Near-infrared spectroscopy, 326P
Near-IR spectroscopy, 129P
Necking, 1629P
Neighboring group participation, 1305C, 3967C
Nematic–isotropic transition, 581P
Network polyester-amines, 2896C
Network polymer, 800C
Networks, 2896C, 1326P
Neutralization of carboxyl groups, 1435C
Neutron reflectivity, 2351P, 2664P
Neutron scattering, 2852P
New calixarene derivative, 1481C
New initiator system, 4206C
New monomer, 475C
Nickel, 1533C
Nickel catalyst, 446C
Ni(II)diimine complexes, 1426C
NIPA, 1928P
N-isopropyl acrylamide, 1505C, 2784C, 3716C, 3797C
6-Nitrobenzisoxazole-3-carboxylate, 821C
Nitrocellulose, 985P
Nitroethylene, 1886C
Nitrogen, 2063P
Nitroglycerin, 1203C
Nitroisophthalate, 1553P
Nitro-substituted polybenzimidazole (PBI), 1778P
Nitroxide, 1232C
Nitroxide free radical, 604C
Nitroxide-mediated radical polymerization, 1081C
Nitroxyl-mediated radical polymerization, 3797C
NLO, 4025C
N-methyl-α-fluoroacrylamide, 2196C
N-methylol acrylamide, 1810C
N-modification, 4129C
NMR analysis, 620C
NMR spectroscopy, 1342C
N,N,N′,N′-tetramethyl-*p*-phenylenediamine, 706C
Nona-1-butoxytrititanosiloxane, 1090C
Noncoplanar, 63C
Nonfaradaic yields, 1584C
Nonionic, hydrophilic polymer gels, 2740P
Nonlinear optical chromophores, 2557C
Nonlinear optical dipole moments aligned transverse to the main backbone, 247P
Nonlinear optical materials, 1794P
Nonlinear optical polymers, 1589C, 895P
Nonlinear optical polyurea and copolyurea, 247P
Non-Newtonian, 1027P
Nonpolar monomers, 1382C
Nonsymmetric monomer, 416C
Norbornadiene, 2683C
Normal force, 2302P
Normalized absorbance, 536P
Novel polyetherazomethines, 383C
N-phenylmaleimide, 3960C
N-substituted maleimide, 3556C
Nuclear magnetic resonance imaging (NMRI), 2781P
Nuclear magnetic resonance (NMR), 1994C, 2874C, 3239C, 3250C, 3884C, 4139C, 1548P, 1678P, 2207P, 2774P
Nuclear stopping, 757P
Nucleating agent, 1001P
Nucleation, 2547C, 300P, 2130P
Nylon impurities, 2565C
Nylon-6, 841C, 484P, 1224P, 1638P
Nylon-10,10, 729P
Nylon-12, 2969P
Nylon-66, 1638P
O—H stretching band, 2175P
Oil palm fibers, 1215P
Olefin insertion, 677P
Olefin polymerization, 3733C
Oligoamide, 1594P
Oligoether, 1594P
Oligomers, 1099C, 3159C, 3655C
Oligo(*p*-phenylenevinylene)–fullerene, 3981C
Oligosaccharide, 4061C
4-ω-Methacryloyloxyoligo-(ethyleneglycol)}-4′-cyanoazobenzene, 2957C
One-pot polycondensation, 934C
Online measurement, 1107P, 1147P
Onsager, 1496P
Open space, 835P
Optical, 1147P
Optical activity, 2027C
Optical anisotropy, 2906P
Optical gain, 2557C
Optical memory, 2252P
Optical microscopy, 2923P
Optical rotation, 71C
Optically active, 514C
Optically active polymers, 177C, 1610C, 3556C
Optics, 3052C, 2275P, 2717P
Order parameter, 3953C, 915P
Order transitions, 2671P
Order–disorder transition (ODT), 2198P
Ordering, 1756P
Ordering kinetics, 2231P
Ordinary and extraordinary refractive indices, 2602C
Organic chromophores, 1794P
Organic light-emitting diode (OLED), 1697P
Organic media, 1931C
Organic negative resistance, 589P
Organic synthesis, 1794P
Organic–inorganic hybrid, 1071P
Organic–inorganic hybrid materials, 2920C, 4035C
Organic–inorganic hybrid resin, 1C
Organically modified silicate, 1282P
Organoclay, 115P
Organoiron polymers, 1216C
Organometallic catalysts, 3529C, 4206C
Organophosphorus polymers, 2396C
Organosilicon, 3383C
Organosoluble, 93C
Organosoluble polyimides, 788C
Orientation, 32P, 669P, 1686P, 1942P, 1995P, 2275P
Orientational distribution, 432P
Oriented polymers, 2906P
Oriented thin films, 432P, 915P

ORMOCER®, 860P
Ortho, 1242C
Orthogonal collocation, 3513C
Orthogonal protective groups, 1940C
Orthopaedic biomaterials, 683C
Osmotic compressibility, 184P
Osmotic pressure, 2740P
1,3,4-Oxadiazole, 2571C
Oxalic, 4283C
Oxetane, 613C, 1269C, 2625C
Oxetane groups, 1169C
Oxidation, 3130C
Oxidative addition, 677P
Oxidative copolymerization, 3989C
Oxidative coupling polymerization, 2287C
Oxirane groups, 1169C
Oxygen diffusion, 1889P, 1900P, 1911P
Oxygen effect, 2035P

Packaging, 985P
Packing order, 669P
Palladium, 1533C
Palladium catalyst, 2027C
Palladium-catalyzed coupling reaction, 2093C
PAN, 2407P
Paracrystalline distortion, 1839P
Parking area, 2767C
Partial molar volume, 1255P
Partially-hydrolyzed poly(vinyl acetate), 751C
Particle nucleation, 3199C, 3940C
Particle size distribution, 2547C, 3633C, 3707C, 3940C
Partition coefficient, 1081C
PB, 819P
PBT/poly(ethylene terephthalate) blends, 2589P
p-Chlorobenzenediazonium ion, 4206C
Peel, 2843P
Peel strength, 920P
Pendant chloromethyl groups, 368C
Pendant glucose residues, 459C
Pendant phosphorus group, 1786C
Pendant tetra(ethylene glycol), 468C
Penultimate, 597C
Peptides, 742C, 4255C
Percolation, 2539P
Perfluorocarbons, 1403C
2-(Perfluorononenyl)oxy} ethyl methacrylate, 2670C
Perfluorophenyl borates, 1901C, 1915C
Perfluorosulfonate membrane, 548P
Permeability, 1900P, 2774P
Permeation switch, 979P
Permittivity, 831P
Permselectivity, 786P
Peroxy, 1437P
Persistence length, 2378P
Perylenetetracarboxylic dianhydride, 1040C
PET, 665C, 1994C
pH sensitivity, 1784P
Phage diagram, 581P
Phase behavior, 3953C, 2549P
Phase diagrams, 3320C, 91P, 496P, 1605P, 2183P
Phase equilibrium, 2179C
Phase segregation, 2671P
Phase separation, 91P, 380P, 819P, 1381P, 1665P, 1778P, 1976P, 2168P, 2915P
Phase transitions, 750P, 1055P
Phase-separation dynamics, 1605P
Phase-separation kinetics, 2915P
Phenacylbromide, 530C
Phenazine ring-containing terpolymer, 3989C
Phenolic compounds, 224C
Phenolic resin/C_{60}-PU blends, 2436P
Phenolic/linear-PU blends, 2436P
Phenolics, 1348P, 1525P
Phenothiazine cation radical, 46C
Phenothiazine photosensitizers, 1187C
Phenoxazine photoinitiators, 4074C
Phenoxy, 1348P
2-Phenoxyethyl vinyl ether, 3190C
Phenylenediamine/anisidine/xylidine terpolymer, 3989C
Phenylhydroquinone, 1726C
4-Phenyl-1,2,4-triazoline-3,5-dione, 1564C
Phosgene, 2508C
Phosphate-pendant polymer, 3365C
Phosphates, 3832C, 3832C
Phosphinate ester, 1854C
Phosphine oxide, 1854C
Phosphinic acid, 1854C
Phosphonate ester, 3770C
Phosphonic acid, 3218C, 3770C
Phosphonium groups, 1505C
Phosphoric acid, 1067C
Phosphorus, 986C, 1716C
Phosphorus-containing diesteramines, 1786C
Phosphoryl-choline, 468C
Photoacid generator, 1708C
Photobase generator, 1329C, 1708C
Photochemical reaction, 1169C, 2683C
Photochemical valence isomerization, 1764C
Photochemistry, 4196C
Photochromic polymers, 2957C
Photochromic properties, 2957C
Photocleavage, 530C
Photoconductivity, 2557C
Photocrosslinking, 134C, 1329C, 2049C, 2444C, 4249C
Photocrosslinking reaction, 4196C
Photocurable polymers, 786P
Photocycloaddition, 134C
Photodegradation, 2035P
Photografting polymerization, 3246C
Photoinduced birefringence, 1686P
Photoinduced deprotection, 1481C
Photoinduced electron transfer, 3981C
Photoinduced energy transfer, 3981C
Photoinitiated cationic polymerization, 2385C, 3578C
Photoinitiated polymerization, 571C, 2049C, 2444C
Photoinitiator, 2937P
Photoionization, 706C
Photolabile nanoparticles, 2642C
Photoluminescence, 872C, 2454C, 2571C, 2710C
Photophysics, 3981C
Photopolymerization, 683C, 715C, 2157C, 3311C, 3578C, 4074C, 4265C, 4274C, 2937P
Photorefractive polymers, 2557C
Photoresists, 3451C
Photoresponsive, 4182C
Photoresponsive PBLG, 2759P
Photosensitization, 343C
Photosensitized cationic polymerization, 1187C
Photosensitizer, 1764C
Photothermal, 2717P
Photothermal deflection spectroscopy, 2717P
Photoviscoelasticity, 2252P
Phthalimide, 1557C
Physical ageing, 1957P
Physical aging, 32P, 337P
Physical crosslinks, 224C
Physical foaming agents, 342P
Physical gelation, 901P
π-Conjugated polymer, 1713P
p-Isocyanatobenzyl isocyanate, 416C
Planar texture, 1224P
Plasma, 175P
Plasma/electrolyte interfacial electropolymerization, 1584C
Plastic flow, 1224P
Plasticization, 868P, 2022P, 3020P

Plastics, 2565C
Plateau modulus, 1704P, 2378P
PMDA-3,4′ODA films, 669P
Polar monomers, 1382C
Polarized optical microscopy, 581P
Polarographic determination, 277C
Poly 1,4-bis(4-alkylpyridinium) butadiyne triflate], 3686C
Poly carbonyl(ethylene-*co*-propylene)], 1565P
Poly (2-oxo-1,3-dioxolane-4-yl) methyl methacrylate-*co*-ethyl acrylate], 1472C
Poly(ε-caprolactone), 2898P
Poly(ϵ-caprolactone) (PCL), 232C, 1348P
Poly(1,3,4-oxadiazole), 2271C
Poly(1,3-cyclohexadiene), 13P
Poly(2,5-dihydroxy-1,4-phenylene benzobisthiazole)/poly(1,4-phenylene benzothiazole) copolymers, 559P
Poly(2,6-dimethyl-1,4-phenylene oxide) (PPO), 2118P
Poly-(2,6-dimethyl-1,4-phenyleneoxide-*b*-methyl methacrylate), 2426C
Poly-(2,6-dimethyl-1,4-phenyleneoxide-*b*-styrene), 2426C
Polyacetal, 117C
Polyacetylenes, 3130C
Polyacrylamide, 3434C
Polyaddition, 117C, 368C, 860C, 2520C, 2620C, 2683C
Poly(alkylene phosphate)s, 3024C
Poly(α-hydroxyacrylic acid), 1629C
Poly(α-methylstyrene), 525C
Polyamide-6, 484P, 536P
Polyamide 12, 1594P
Poly(amide acid), 3011P
Poly(amide ester), 3011P
Poly(amide-1,3,4-oxadiazole), 2271C
Poly(amide-hydrazide), 2271C
Poly(amide-imide)s, 63C, 93C, 177C, 775C, 2591C, 3498C, 3818C
Polyamides, 1156C, 1557C, 3304C, 729P, 1036P
Polyamidine, 1280C
Polyamidoamine (PAMAM), 4182C
Polyamines, 3789C
Polyampholytes, 709P
Polyaniline, 3137C, 3485C, 175P, 611P, 2539P
Polyaniline derivatives, 2482C
Polyaromatic ethers, 1216C
Polyaromatics, 2874C, 3505C
Poly(aryl ether oxadiazole), 3851C
Poly(arylene ether)s, 1854C, 3211C, 3218C, 3770C
Poly(arylene)s, 1533C
Polybenzoxazine, 2633C
Polybenzoxazoles, 4014C, 471P
Poly(bisphenol A carbonate), 232C
Polybutadiene, 2625C
1,2-Polybutadiene, 677P
Polybutadiene, *cis*-1,4 polymerization, molecular weight control, 2793C
Polybutadiene derivative, 3227C
Poly(butyl methacrylate), 2302P, 2317P
Polybutylene adipate, 2143C
Poly(butylene terephthalate) (PBT), 3371C, 2005P
Polycaprolactone, 736P, 771P
Polycarbonate/acrylonitrile–butadiene–styrene (ABS) blends, 531P
Polycarbonates, 2751C, 337P, 771P, 1730P, 1948P, 2252P, 2351P, 2635P
Polycarbonate-urethane, 105C
Polycarbosilane, 86C
Poly(carboxylic acid), 23C
Poly(chloromethylstyrene), 2723C
Polycondensation, 732C, 1280C, 1601C, 1877C, 2904C, 3211C, 3451C, 3739C, 4214C
Poly(δ-valerolactone), 2622P
Polydimethylsiloxane, 581P
Poly(dipropargylfluorene), 4101C
Poly(dithiafulvene), 3593C
Polydodecamide (PA-12), 2022P
Polyelectrolytes, 2710C, 2784C, 3137C, 3151C, 3475C, 709P, 1756P, 2071P, 2644P, 2653P, 2888P
Poly(ester amide)s, 1318C, 4283C, 1036P
Poly(ester-amide-imide)s, 1786C
Polyester-carbonates, 2508C
Poly(ester-imide)s, 408C
Polyesters, 1596C, 1601C, 1994C, 2078C, 2093C, 2951C, 3250C, 3263C, 3916C, 1036P, 1839P, 2108P, 2581P, 3073P
Polyesters and copolyesters, 3043C
Poly(ester-urethane)s, 630C
Polyethene, 3805C
Polyether complex, 2572P
Poly(ether imide)s, 788C, 1662C, 2536C, 363P, 1778P
Polyether–polyester, 2469P
Poly(ether-benzoxzaole)s, 4014C
Poly(etherketones), 2937C
Polyethers, 927C, 1615C, 2571C, 3159C, 3168C, 3239C, 3365C, 3832C
Polyethersulfone benzoxazoles, 2262C
Poly(ether-sulfone-oxadiazole), 2271C
Poly(ethersulfones), 2937C
Polyether-urethane, 105C
Poly(ethylene 2,6-naphathalate), 2607P
Poly(ethylene glycol), 742C, 2625C, 496P
Polyethylene naphthalate, 1107P, 1147P
Poly(ethylene naphthalene 2,6-dicarboxylate), 881P
Poly(ethylene oxide) (PEO), 1678P, 2615P
Polyethylene (PE), 2151C, 2755C, 2920C, 763P, 1616P, 2263P, 2402P, 2692P, 2774P, 2800P, 2819P, 2843P
Polyethylene (PE)/isotactic polypropylene (iPP) blends, 1803P
Polyethylene single crystals, 1237P
Poly(ethylene terephthalate), 232C, 3371C, 623P, 1160P, 1394P, 1889P, 1900P, 1911P, 1957P, 2607P
Poly(ethylene terephthalate) copolymers, 1994C
Poly(ethylene terephthalate) filaments, 964P
Poly(ethylene terephthalate) (PET) copolymers, 3250C, 1553P
Poly(ethylene terephthalate-*co*-ethylene naphthalate), 2581P
Poly(ethylene terephthalate-*co*-nitroisophthalate)s, 1553P
Poly(ethylene terephthalate-*co*-5-*tert*-butyl isophthalate), 1994C
Poly(ethylene-2,6-naphthalate), 1629P
Poly(ethylene-*co*-1-octadecene), 277P
Polyfluorenes, 2867C
Poly(γ-benzyl-L-glutamate), 2759P
Poly-γ-glutamic acid, 732C
Poly-γ-glutamic acid methyl ester, 732C
Poly(glycidyl methacrylate-*co*-ethyl acrylate), 1472C
Polyglycidylmethacrylate, 3707C
Polyglycolide, 294C
Polyhedral oligomeric silsesquioxane, 2727P
Polyhedral oligomeric silsesquioxane (POSS) copolymers, 2920C
Polyhydrazide, 2271C

Polyhydrosilylation, 2414C
Poly(hydroxyphenylalkanoate)s, 693C
Polyhydroxypolyamides, 1024C
Polyhydroxyurethane, 851C, 860C
Polyimide films, 3011P
Polyimide–polysiloxane block copolymer, 2414C
Polyimides, 514C, 1040C, 1419C, 1800C, 2189C, 3335C, 3451C, 3622C, 3818C, 3826C, 4044C, 1824P, 2243P, 2947P
Poly(imide-siloxane), 2633C
Polyimidization, 3818C
Polyimines, 3018C
Polyisoprene, 152C
Polyisoprene-*b*-poly(2-vinyl pyridine)-*b*-polyethylenoxide, 1198C
Poly(lactic acid), 683C, 1877C
Polylactide (PLA), 284C, 973C, 2755C, 3529C, 300P
Poly(lactide-*co*-glycolide), 562C
Poly(L-lactic acid), 706C
Poly(L-lactide), 4249C
Poly(L-lactide-*rac*-1-methyltrimethylene carbonate), 3916C
Poly(L-LA-*ran*-MOHEL), 1374C
Poly-(L-lysine citramide), 3475C
Polymannaramides, 1024C
Polymer beads, 201P
Polymer blends, 757C, 2755C, 228P, 566P, 601P, 931P, 1093P, 1815P, 2159P, 2302P, 2317P
Polymer characterization, 1099C
Polymer composite, 831P
Polymer degradation, 1615C
Polymer ductility, 1730P
Polymer dynamics, 2501P, 2852P
Polymer electrolytes, 1854C, 3770C, 1246P, 1987P, 2225P
Polymer fibers, 2598P
Polymer film, 1892C
Polymer heterogeneity, 1460P
Polymer mechanical properties, 1730P
Polymer microstructure, 1471P
Polymer miscibility, 1093P
Polymer modification, 3655C
Polymer nanostructure, 947P
Polymer network, 117C, 947P
Polymer optical fibers, 1794P
Polymer/organo-clay hybrid, 471P, 2581P
Polymer particles, 555C
Polymer reference interaction site model (PRISM) theory, 1803P
Polymer single chain, 2333P
Polymer solutions, 2598P, 2860P
Polymer supports, 326C, 2364C
Polymer thin films, 2175P, 2906P
Polymer transitions, 1492P
Polymer-dispersed liquid crystals, 507P, 1173P
Polymeric aldehyde, 675C
Polymeric coatings, 2035P
Polymeric drug carriers, 3475C
Polymeric electret behavior, 459P
Polymeric electrolytes, 2407P
Polymeric glass, 1312P
Polymeric initiator, 3365C
Polymeric materials, 47P
Polymeric matrix, 2049C, 2444C
Polymeric nanosphere, 594P
Polymeric *N*-halamines, 3073C, 3348C
Polymeric reagents, 2364C
Polymerizable surfactants, 585C
Polymerization, 202C, 947C, 2179C, 2565C, 2805C, 3805C, 4283C, 175P, 736P
Polymerization kinetics, 500C
Polymerization mechanism, 357C
Polymer-modification reactions, 1203C
Polymers for photorefractive materials, 253C
Polymers from renewable sources, 630C
Polymer-supported catalysts, 2364C
Polymer-supported synthesis, 2351C
Polymesomorphic, 1743C
Poly(methacrylic acid), 86C, 530C, 3539C
Poly(methyl methacrylate) (PMMA), 1646C, 4110C, 757P, 2390P, 3020P, 3103P
Polymorphism, 2519P, 2793P
Poly(*N*-isopropyl acrylamide), 335C, 901P, 1665P
Poly(*N*-isopropylacrylamide) gel, 2315C
Poly(*N,N*-dimethylacrylamide), 1403C
Polynorbornenes, 2716C
Poly(N-substituted urethane), 4129C
Poly(octadecyl acrylate), 979P
Poly(*o*-hydroxy amide)s, 2262C, 4014C
Polyolefin blend, 380P
Polyolefin nanocomposites, 2920C
Poly(oligoamide-*alt*-oligoether), 2969P
Poly(ω-pentadecalactone), 1721P
Polyoxazoline, 2821C
Poly(oxyethylene), 4249C
Poly(oxyphenylalkanoate)s, 2430C
Poly(oxytetramethylene), 1594P, 2969P
Poly(*p*-dioxanone), 153P
Polypeptides, 1572C
Polyphenol, 2898P
Poly(phenyl methacrylate), 519C
Poly(phenylacetylene), 71C, 3130C, 3180C
Polyphenylenether, 363P
Poly(phenylenevinylene) (PPV) oligo-polymer, 589P
Poly(phenylsilsesquioxane), 2125C, 4196C
Polyphosphazenes, 3428C
Polyphosphoric acid, 1987P
Poly(*p*-phenylene benzobisoxazole), 1296P, 1791P
Poly(*p*-phenylene benzobisthiazole) (PBZT), 1791P, 2539P
Poly(*p*-phenylene sulfide), 415P
Poly(*p*-phenylene vinylene), 3278C
Polypropylene, 3052C, 228P, 446P, 566P, 931P, 1001P, 1017P
Polypropylene copolymer, 1741P
Poly(propylene imine), 821C
Poly(propylene) (PP), 1876P, 2016P, 2692P, 2727P, 2852P
Poly-(*p*-vinylphenol), 2108P
Poly(pyridinium salt)s, 2454C, 2710C
Poly(pyridobisimidazole), 1791P
Polypyrroles, 997C, 1935P
Polysaccharides, 2491P
Poly(*S*-aryl ester), 951C
Poly(sebacic anhydride), 703P
Polysilane, 1085P
Poly(silicic acid), 1342C
Polysiloxanes, 1C, 4196C, 1055P
Polysilsesquioxane, 2215C
Polystyrene (PS) latex, 611P
Polystyrene stars, 2777C
Polystyrene-*b*-polyethylenoxide, 1198C
Poly(styrene-*co*-acrylonitrile), 2430P
Polystyrenes, 152C, 216C, 320C, 446C, 453C, 468C, 1099C, 2625C, 3093C, 3121C, 3692C, 184P, 332P, 342P, 819P, 931P, 1046P, 1437P, 2063P, 2118P, 2252P, 2562P
Polystyryllithium, 3121C
Polysulfide, 23C
Polysulfone, 23C, 121P
Polysulfone modification, 675C, 2103C
Polysulfoxide, 23C
Poly(tetrafluoroethylene), 432P, 750P
Polytetrafluoroethylene (PTFE) virgin powder, 1995P
Polytetrahydrofuran, 1784P
Polythioamides, 3739C
Poly(thioether-naphthalimide)s, 1040C

Poly(trimethylene 2,6-naphthalenedicarboxylate), 620C
Poly(trimethylene terephthalate), 1920P
Poly(triphenylmethyl methacrylate), 430C
Polyureas, 2332C
Poly(urethane imidine) copolymer, 4236C
Polyurethanes, 416C, 2332C, 2520C, 2620C, 3112C, 3678C, 4091C, 4129C, 1061P, 1246P, 2290P, 2436P
Polyurethane-urea, 105C, 2978C
Poly(vinyl acetate), 3633C, 1935P
Poly(vinyl alcohol), 880C, 3633C, 1471P, 1638P
Poly(vinyl alcohol)-*graft*-polystyrene, 751C
Poly(vinyl chloride) (PVC), 307C, 1120C, 3392C, 2390P
Poly(vinyl chloride) (PVC) gels, 2340P
Poly(vinyl chloride) structural defects, 3392C
Poly(vinyl ethers), 3751C
Poly(vinylbenzyl ammonium salt), 807C
Poly(vinylbenzyl chloride), 807C
Poly(vinylidene fluoride), 1371P, 2130P
Poly(vinylidene fluoride) (PVDF), 1437P
Poly(vinyl-phenol) (PVPh), 1348P
Poly(vinylpyrrolidon), 1987P
Poly(vinylpyrrolidone), 459P
Poly(1-naphthyl methacrylate), 519C
Poly(1-vinylindole)s, 253C
Poly(1-vinylpyrrole), 253C
Poly(2-ethylhexyl methacrylate), 2302P, 2317P
Poly(2-hydroxyethyl methacrylate/maleic acid), 277C
Poly-(2-hydroxyethylmeth-acrylate) P(HEMA), 2677C
Poly-(2-vinylnaphthalene), 3034C
Poly(3-hexylthiophene), 1713P
Poly(4-bromostyrene), 677P
Poly(4-methyl pentene-1) (TPX), 1415P
Poly(4-oxyphenylacetate), 2430C
Pore-filled membranes, 807C
Porous membrane, 451P
Positive photosensitive polyimides, 934C
Positive-temperature-coefficient (PTC) effect, 1415P
Positron annihilation, 835P, 2035P, 2290P
Positron annihilation lifetime spectroscopy, 1659P
Precipitation polymerization, 3434C
PREDICI®, 1353C
Preferential interactions, 2740P
Preparation, 2189C
Pressure, 2859C, 895P
Pressure effects, 342P, 1484P
Pretilt angle, 1800C, 3622C
Propagating fronts, 1075C
Propagation-rate constant, 1005C
1,3-Propanediol, 630C, 2508C
Propenyl ether, 613C
Propylene, 3294C
Propylene copolymerization, 1136C, 2005C
Propylene polymerization, 500C, 1915C
Propylene terpolymerization, 1136C, 2005C
Protease, 1931C
Protective group, 1481C
Proteinase K, 1374C, 3916C
Proton conductivity, 1987P
Proton-self-conductive N-functional group, 2874C
Pseudohydroxyproline, 724C
Pseudoladder chain conformation, 559P
p-Terphenyl, 2998C
Pulsed-laser polymerization, 3902C
Push–pull azobenzene polymers, 2957C
PVA fibril, 1263P
PVA-based nanocomposite, 1968P
PVC, 8C
PVC grafts, 1675C
Pyrazolyl borate zirconium complexes, 4243C
Pyrene, 4110C
Pyridine solution, 3443C
Pyridinium, 2454C
Pyrolysis, 2565C
Pyrolysis-mass spectrometry, 1203C
Pyrone, 1825C
Pyrylium, 2454C

Quadricyclane, 1764C, 2683C
Quantitative analysis of the ^{13}C NMR spectra, 955C
Quaternary ammonium dithiocarbamate, 1329C
Quaternary ammonium ion, 821C
Quaternary ammonium salt, 1472C
Quaternary onium salts, 368C
Quaternization, 389C
Quinoxaline, 2037C

Radiation, 1656C, 3934C
Radiation grafting, 3008C, 1437P
Radiation synthesis, 277C
Radical, 265C, 597C
Radical anion, 706C
Radical copolymerization, 1C, 2043C, 4061C
Radical desorption, 3199C
Radical ion decay, 4110C
Radical polyaddition, 23C
Radical polymerization, 23C, 453C, 1051C, 1099C, 1180C, 1269C, 1463C, 1610C, 2196C, 2784C, 3434C, 3539C, 3604C, 3761C, 3893C, 4035C, 4206C, 4265C
Radiofrequency field gradient, 2781P
Radiolysis, 1449P
Radius of gyration, 2960P
RAFT, 1353C, 2777C
Raman spectroscopy, 1492P, 1519P, 2572P
Random comonomer sequence, 1839P
Random copolymers, 398C, 2889C, 2363P, 2819P
Rapid cooling, 1085P
Rare-earth metal initiator, 1382C
Rate coefficients, 1353C
Rate constants of elementary reactions, 1269C
Rate of polymerization, 2547C
Ratio of propagation-to-termination rate coefficients, 656C
Reaction calorimetry, 3633C
Reaction conditions, 2471C, 2482C
Reaction development patterning (RDP), 3451C
Reaction mechanism, 4236C
Reaction parameters, 1915C
Reaction with N-basic, aromatic aldehydes, 2874C
Reaction-diffusion mechanism, 2049C, 2444C
Reactions on a polymer, 1940C
Reactive membrane, 675C
Reactive polymer, 1016C
Reactive processing, 363P
Reactive surfactant, 2813C, 3093C
Reactivity ratios, 656C, 1031C, 1753C, 2043C, 2326C
Real-time FTIR, 3311C
Recrystallization, 2005P
Reduction, 3789C
Refractive index, 2904C, 3335C, 2481P
Refreshable, 3073C, 3348C
Regenerated cellulose, 1638P
Regime transition, 415P
Regioregular polythiophene, 2287C
Reinforcement, 2943C
Relaxation phenomena, 4110C
Relaxation times, 956P

Relaxations, 895C, 1730P, 2252P, 2860P
Relaxation-time spectrum, 2860P
Remanent polarization, 2793P
Renewable resources, 1601C, 2751C
Renewable sources, 2508C
Repeating unit, 3304C
Reprocessing, 531P
Reptation theory, 3067P
Rescaled mean spherical approximation (RMSA), 78P
Residual stresses, 796P, 2252P
Resin scavengers, 2364C
Resins, 2364C, 1129P, 2937P
Resonance Raman spectrum, 1791P
Retarder, 2151C
Reverse atom transfer radical polymerization, 765C
Reversible dioxygen binding, 888C
Reversible melting, 1565P, 2969P
Reversible nonlinear conduction, 2833P
Rheological properties, 228P, 2159P, 2397P
Rheology, 3168C, 3805C, 1976P, 2501P, 2860P, 3055P
Rheooptics, 2562P
Rh(nbd) $B(C_6H_5)_4$, 913C
Ribbon, 2598P
Rigid, 2342C
Rigid chain, 1288C
Rigid-rod polymers, 2539P
Ring opening, 3789C
Ring-opening copolymerization, 3137C
Ring-opening metathesis copolymerization, 2920C
Ring-opening metathesis polymerization, 2716C
Ring-opening polymerization, 86C, 265C, 294C, 1572C, 3529C
Ring-opening reaction, 736P
Role of surfactants, 2832C
Rotational isomeric state–metropolis Monte Carlo (RMMC), 1803P
Rotation-inversion mechanism, 2296C
Rouse model, 211P, 1704P
Rubber, 2081P, 2207P
Rubbing, 1800C, 3622C, 2906P

Salt effect, 901P
Salts, 1061P, 2740P
SANS, 548P
S-aryl ester, 951C
SAXS, 841C, 931P, 1860P, 1876P, 2022P, 2340P, 2705P, 2727P, 2923P, 2982P
SBR, 835P
Scaling behavior, 2833P
Scaling parameters, 515P
Scanning electron microscopy, 1215P
Scanning force microscopy, 709P
Scanning laser microscope, 3103P
Scattering properties, 2644P
Scission, 1656C, 391P, 404P, 2960P
Scratch damage mechanism, 47P
Scratch resistance, 47P
Second-order nonlinear optics, 1419C, 2189C
Second-order optical nonlinearity, 247P
Segment sequence length, 634P
Segmental dynamics, 2444P
Segmental relaxation, 337P
Segmented, 1733C
Segmented copolymers, 630C, 947P
Selective solvent-induced physical gelation, 3190C
Selectivity, 3112C, 3678C, 4022C
Self-assembly, 3861C, 4294C
Self-assembly method, 3485C
Self-association, 742C
Self-compatibilization, 757C
Self-diffusion, 1496P
Self-initiation, 3246C
Semibatch, 1106C
Semibatch reactors, 3940C
Semicrystalline, 2037C, 2774P
Semicrystalline polydodecamide, 2022P
Semicrystalline polymers, 2454P
Semiflexible, 2644P
Semi-interpenetrating network (semi-IPN), 2633C
Semi-IPN, 8C
Sensitization, 706C
Sensitizer, 46C
Sensors, 2164C
Sephadex, 2740P
Sequence distribution, 3263C, 4051C
SFRP, 216C
Shear, 1976P, 2275P, 2727P
Shear band process, 2198P
Shear modulus, 2198P
Shear quench, 819P
Shell-crosslinked nanoparticles (SCKs), 4152C
Shift factor, 1638P
Short-chain alcohols, 898C, 3199C
Shrinkage stress, 964P
^{29}Si, 8C
Si—O—Ti bond, 1090C
Side chain, 2671P
Side-chain dendritic polyester (SCDPE), 4182C
Side-chain fluorinated polyacrylates, 32C
Side-chain liquid-crystalline polymer, 2296C
Side-chain polymers, 1055P
Side-chain polyrotaxanes, 1978C
Silacyclobutane, 86C
Silane, 3287C, 3383C
Silica gel support, 1051C
Silicas, 3294C, 4294C, 835P, 1071P
Silicic acid, 1C
Silicon, 2103C
Silicon-containing polymer, 2658C, 2937C
Silicone, 425P
Silicone ladder polymer, 4196C
Siloxane, 1833C
Siloxy, 127C
Silsesquioxane, 4035C
Silyl, 127C
Simha–Somcynsky theory, 342P
Simulation model, 2740C
Simulations, 1353C, 1825C, 2333P, 2915P
Single crystal, 763P
Single-electron transfer, 2037C
Single-segment segmented copolyesters, 634P
Single-site united atom, 1803P
Site isolation, 888C
Skin effect, 2781P
Small-angle light scattering (SALS), 2923P
Small-angle neutron scattering (SANS), 2549P, 2705P
Small-angle X-ray scattering (SAXS), 91P, 153P, 1749P
Smart polymer hydrogel, 236P
Smectic layers, 1749P
Smectic mesophase, 4035C
Snowman-shaped particle, 3106C
Sodium alginate, 1810C
Sodium benzoate, 1001P
Sodium bicarbonate, 4174C
Sodium dodecyl sulfate (SDS), 2832C
Sodium 2-acrylamido-2-methyl-1-propanesulphonate, 2784C
Soft segment, 634P
Sol–gel process, 986C, 1071P
Sol–gel transition, 91P, 943P
Sol–gels, 1342C, 197P, 1282P
Sol-gel transition, 376C, 1471P
Solid polymer electrolyte, 1484P
Solid-phase polymerization, 951C
Solid-phase synthesis, 2364C
Solid-state ^{29}Si-MAS NMR, 2602C
Solid-state microcellular foams, 868P
Solid-state NMR, 8C, 956P
Solid-state pulsed wide-line ^{1}H NMR spectroscopy, 993P
Solubility, 63C, 383C, 475C, 1216C, 1557C, 1662C, 1825C,

2351C, 2404C, 2581C, 3434C, 3498C, 2063P, 2888P
Soluble polyimides, 934C, 2633C, 2998C
Solution and melt polymerization, 1733C
Solution copolymerization, 4051C
Solution polycondensation, 2951C, 3475C
Solution polymerization, 1860C, 2937C
Solution properties, 1960C, 2525C, 2860P
Solution viscosity, 2653P
Solvation, 1774C
Solvent diffusion, 2781P
Solvent dynamics, 2860P
Solvent effects, 2043C, 3443C
Solvent quality, 651P
Sorption, 169C, 1160P, 1255P, 2781P
Sorption of water vapor, 2175P
Soybean oil, 60P
Spatial orientation, 1726C
Specific interaction, 1815P, 2430P
Spectroscopy, 2396C, 2717P, 2852P
Spheralites, 2615P
Spherulite morphology, 634P
Spherulites, 2874P
Spherulitic growth rates, 3073P
Spin density, 2287C
Spin–lattice relaxation time in the rotating frame ($T_{1\rho}$), 993P
Spin modes, 1075C
Spin trapping technique, 4206C
Spin-coating, 3278C, 2481P
Spin-lattice relaxation, 1548P
Spontaneous alternating copolymerization, 1564C
Spontaneous polymerization, 1886C, 2069C
Square-well form, 515P
Stability, 800C
Stabilization, 2832C, 2929C, 4189C
Stable nitroxides, 2889C
Star/linear blends, 2501P
Star polymers, 216C, 650C, 1572C, 2206C, 2233C, 2494C, 3062C, 3547C, 2183P, 2549P, 2562P, 2751P
Starch, 920P, 3038P
Starch–water, 3038P
Stars with poly(isobutylene-azeotropic-styrene) arms, 1525C
Statistical copolymer, 459C
Statistical mechanics, 2644P
Statistical segment, 515P
STEM, 477P
Step-growth polymerization, 1533C, 3884C
Stereocomplex, 300P
Stereocomplexes between isotactic and syndiotactic poly(methyl methacrylate), 1955C
Stereoregular polyamides, 1024C
Stereoregularity, 3130C
Stereoregulation, 1060C, 1067C
Stereospecific polymers, 3130C
Stereostructure, 973P
Steric hindrance, 3902C
Stiffness, 4255C, 2071P, 2644P
Stilbene, 1800C, 3622C
Stimuli sensitive polymers, 2759P
Stimuli-responsive polymers, 2784C
Stimuli-sensitive polymers, 3797C, 3861C
Stored energies, 1764C, 2683C
Strain, 811P
Strain-induced phase change, 1224P
Strain-optical coefficient, 2252P
Stress analysis, 47P
Stress relaxation, 796P, 3090P
Stress–strain measurements, 277P
Stress-intensity factor, 1195P
Stress-optical coefficient, 2252P
Striations, 3103P
Structural analysis, 851C
Structural defects, 1120C
Structural relaxation, 1312P
Structure, 1242C, 1646C, 3320C, 256P, 548P, 2005P, 2622P, 3029P
Structure and properties, 2896C
Structure evolution, 2340P
Structure–property relations, 3278C, 3805C, 2947P
Structured latex, 1659P
Styrene, 145C, 437C, 555C, 898C, 1232C, 1817C, 2134C, 2670C, 3199C, 3320C, 3464C, 3761C, 3960C, 4001C, 4009C
Styrene copolymerization, 1634C
Styrene-butadiene rubber, 439P
Styrene-divinylbenzene, 201P
Substituent, 1726C
Substituent effect, 2296C, 3678C, 3967C
Substitution reaction, 1764C
Substrate dependence, 2130P
Subtilisin Carsberg, 1931C
Succinic acid, 630C, 2508C
Sulfonated styrene, 477P
Sulfonation, 3211C, 1017P
Sulfonic acid, 3211C
Sulfonium salts, 571C, 868C
Sulfonium-containing polymer, 3928C
Sulfur, 3739C
Sulfur-containing polymers, 3967C
Superabsorbent, 1505C
Supercritical carbon dioxide, 562C
Supercritical fluids, 1505P, 3020P, 3055P
Supported catalysts, 3294C, 4243C
Supramolecular structures, 2130P
Surface characterization, 4227C
Surface energy, 920P
Surface grafting, 888C
Surface grafting of polymer, 2157C
Surface modification, 4227C, 1046P
Surface morphology, 663P
Surface pattern, 2141P
Surface properties, 459C
Surface roughness, 1848P
Surface tension, 920P
Surface texture, 2263P
Surfaces, 3052C, 3529C, 4119C, 2217P, 2263P, 2290P
Surfactants, 2767C, 3356C, 218P
Surfmers, 585C
Suspension polymerization, 201P
Suspension radical copolymerization, 800C
Suspension system, 453C
Suzuki cross-coupling, 1533C
Swelling, 964C, 3434C, 2063P, 2740P
Swelling ability, 800C
Swelling behavior, 1784P, 1928P
Swelling kinetics, 3128P
Synchrotron, 153P
Syndioregic main chain, 895P
Syndiospecific polymerization, 1817C
Syndiotactic, 3556C, 3692C, 1876P
Syndiotactic polypropylene, 2982P
Syndiotactic polystyrene (s-PS), 2805C, 2097P, 2519P
Syndiotacticity, 1263P
Synthesis, 475C, 1169C, 1318C, 1481C, 1533C, 1960C, 2525C, 2710C, 2799C, 2998C, 3428C, 2653P
Synthesis and radical polymerization, 1843C

Tacticity, 519C, 525C, 1463C, 1610C, 2196C
Tartaric acid, 3250C
Tautomerism, 927C
t-Butyl acrylate, 2043C
t-Butyl methacrylate, 86C
Telechelic polymers, 2058C
TEM, 4249C, 931P, 1429P, 2022P, 2539P
Temperature dependence, 1656C, 218P, 831P
Temperature influences, 651P

Temperature/molecular weight effects in cationic grafting, 1675C
Temperature rising elution fractionation (TREF), 1616P, 2800P, 2819P
Temperature Scanning Brillouin Scattering (TSBS), 1326P
Temperature window, 1995P
Temperature-modulated calorimetry, 2969P
Temperature-modulated differential scanning calorimetry, 750P
Temperature-responsive hydrogels, 335C
Temperature-responsive polymer, 594P
Template polymerization, 3539C
Template-free method, 997C, 3485C
TEMPO, 216C
Tensile deformation, 2263P
Tensile modulus, 1638P, 3011P, 3011P
Tensile properties, 1733C, 1995P
Tensile property, 993P
Tensile strength, 811P
Tensile stress, 1122P, 2016P
Tensile stress–strain behavior, 60P
Terephthalic, 4283C
Terephthalic acids, 93C, 1726C
Terminal, 597C
Termination, 2777C
Terpolymer, 1090C
Terpolymerization kinetics, 1860C
tert-Butoxycarbonyl group, 1481C
tert-Butyl chloride, 2256C
5-*tert*-Butyl isophthalic, 1994C
tert-Butyl methacrylate, 1450C
tert-Butyl poly(ether ether ketone), 1505P
Tertiary amine, 1329C
Tertiary amine groups, 2058C
Tertiary chloride, 1120C
Tethered chains, 2501P
3,3′,5,5′-Tetrabromo-2,2-bis 4-(4-aminophenoxy)phenyl}propane, 1662C
Tetraethylenepentamine, 623P
Tetraethylorthosilicate (TEOS), 197P
Tetraethylthiuram disulfide, 4001C, 4001C
Tetrahydrofuran, 46C, 2134C
Tetrahydrofuran (THF) moiety, 800C
Tetrahydrofuran-moiety, 453C
Tetrakis(triphenylphosphine)-palladium(0), 677P
Tetramethylene, 2069C
2,2,6,6-Tetramethylpiperidine-1-oxyl (TEMPO), 4009C
2,2,6,6-Tetramethyl piperidine-*N*-oxyl (TEMPO)-mediated stable free-radical polymerization, 650C
Tetraphenylborate ion, 4206C
Textile dyes, 169C
T_g, 736P
Theoretical synthesis, 2677C
Thermal, 63C, 1557C
Thermal analysis, 1721P
Thermal and thermooxidatine stability, 2581C
Thermal behavior, 1662C, 1733C, 484P
Thermal characterization, 833C
Thermal crosslinking, 1329C, 2602C
Thermal density fluctuation, 2315C
Thermal expansion, 168P, 1766P
Thermal expansivity, 515P
Thermal latent catalyst, 326P
Thermal latent initiator, 868C, 2397P
Thermal polymerization, 1877C
Thermal properties, 475C, 1216C, 1646C, 1825C, 2215C, 2633C, 2716C, 2799C, 2937C, 2957C, 3143C, 3263C, 3498C, 3789C, 3967C, 4014C, 4129C, 4283C, 1987P, 2436P, 3038P
Thermal stability, 71C, 307C, 383C, 408C, 514C, 1090C, 1169C, 1495C, 2019C, 2404C, 2602C, 3826C, 4167C, 4236C, 121P, 2888P
Thermal stimulated current, 507P
Thermal stress, 993P
Thermal studies, 2396C
Thermally latent initiator, 3365C
Thermally reversible crosslinking, 389C
Thermochromism, 2867C, 1085P
Thermodynamic properties, 1766P
Thermodynamics, 2130P, 2549P, 2819P
Thermodynamics of mixing, 2118P
Thermogravimetry, 3989C
Thermomechanical analysis, 224C
Thermomechanical property, 1071P
Thermoplastic, 1733C
Thermoplastic elastomer (TPE), 2414C
Thermoplastic materials, 630C
Thermoplastic polyolefin, 239C
Thermoreversible physical gelation, 746C
Thermosensitive polymers, 1505C
Thermosets, 2799C, 3085C, 3383C, 4025C
Thermosetting, 1149C
Thermosetting polymers, 2658C, 60P
Thermostable polymer, 3818C
Thermotropic copolyesters, 196C, 3884C
Thermotropic liquid crystal, 376C
Thermotropic liquid crystalline polymer, 2378P
Thermotropic main-chain LCPs, 1743C
Thermotropic polyester, 1726C
Thin films, 663P, 2141P, 2351P, 2615P, 2717P
Thin metal film, 1122P
Thin polymer films, 314P
4,4′-Thiodiphenol, 2108P
Thioethers and amines, 1216C
Thiol, 23C
Thiol–acrylate, 3311C
Thiol–ene, 3311C
Thiopolyurethanes, 1733C
Third-order nonlinearity, 3686C
Three-component initiator system, 715C
Three-dimensional (3D) orientation, 2923P
Tie-chain-length distribution, 964P
Time–temperature superposition, 2843P
Time-of-flight secondary ion mass spectrometry, 314P
Titanate coupling agent, 2589P
Titania, 3419C
Titanocene, 1817C
Toluene, 1860C
Toluene solution, 1753C
Tortuosity, 843P
Toughening, 2755C, 121P
Toughness, 757C
Tracer diffusion, 843P
Trans⇆cis isomerization, 2296C
Trans–gauche switches, 2333P
Transcrystallinity, 2130P, 2781P
Transesterification, 232C, 732C, 2589P
Transesterification kinetics, 2607P
Transetherification, 1615C
Transition metal chemistry, 4265C
Transition temperatures, 196C, 1726C, 3884C
Transmission electron microscopy, 1471P
Transparency, 2904C
Transport, 1496P
Transurf, 2813C
Trapped radicals, 1437P
Treitol, 3250C

Trialkylaluminums, 1901C, 1915C
Triarylmethyl methacrylates, 1180C
Triazine, 1419C
Triazine ring, 3085C
Triblock copolymer, 13P
Tributylstannyl ester of silicic acid, 1C
Tributylstannylated polysilsesquioxane, 2125C
Trichloroacetyl group, 2157C
1,1,1-Triethanolamine, 2896C
Triethylamine (TEA), 2978C
Triflate initiator, 2821C
1,3,5-trimethoxybenzene, 2244C
Trimethylaluminum, 3566C
Trimethylsilyl ether group, 1481C
Triphenylamine, 3278C
Triphenylphosphine oxide, 1716C
Triphenylsulfonium salt, 46C
Triplet energy migration, 134C
Triplet sensitization, 134C
Tris(acetylacetonate) manganese, 3733C
Tris(amido) titanium complexes, 313C
Triton, 2832C
Tube model, 1704P
Twin spacers—achiral and chiral, 1743C
Two-beam coupling, 2557C
2D HRMAS NMR spectroscopy, 169C
Two-dimensional nuclear magnetic resonance (2D NMR) spectroscopy, 4051C
Two-stage draw, 1995P

UHMW PVCZ, 539C
Ultrafine silica, 2157C
Ultra-high molecular weight, 951C
Ultra-high molecular weight polyethylene (UHMWPE), 1415P
Ultra-small-angle X-ray scattering, 78P
Ultrasonic, 3356C
Undecyl spacer, 1800C
Undecylenic acid, 486C
Uniaxial stretching, 1107P
Uniform localization of wave functions, 2677C
Unsaturated polyester resin, 146P
Unsaturated polyesters, 129P
Unsymmetrical, 775C
Unsymmetrical structure, 368C
Upper liquid–liquid transitions, 129P
Uranyl adsorption, 277C
UV curing, 4227C
UV irradiation, 706C, 1708C
UV radiation, 3246C

Vanadium acetylacetonate, 2287C
Vapor deposition polymerization, 1892C
Vectra®, 1839P
Vesicles, 2996P
Vibration, 3038P
Vinyl acetate, 1860C, 2911C
Vinyl alcohol–ethylene copolymers, 1P
Vinyl chloride, 2179C, 3392C
Vinyl ester, 1931C
Vinyl ether, 32C, 398C, 613C, 1060C, 1249C, 1258C, 1886C
Vinyl ether polymerization, 1187C
Vinyl ether with silyloxyl group, 746C
Vinyl polymer, 2937C
Vinyl silane, 8C
Vinyl-functional polymer, 4196C
Vinylidene chloride, 1005C
Vinylidene fluoride, 2793P
Vinylidene fluoride copolymer, 689P
2-Vinylnaphthalene, 3034C
2-(Vinyloxyl)ethyl methacrylate, 117C
2-Vinylpyridine, 2889C, 3797C
Virial coefficients, 184P
Viscoelastic diffusion, 1529P
Viscoelastic properties, 3190C, 1957P
Viscoelastic scaling, 3055P
Viscoelasticity, 211P, 645P
Viscometry, 650C
Viscose rayon, 3875C
Viscosity, 129P, 342P, 2071P, 3067P
Viscous shear breakup, 201P
Visible initiators, 4074C
Visible light, 343C
Visible-light initiator, 715C
Voids, 2081P
Volume phase transition, 56C, 335C, 2315C
Volume shrinkage, 202C

Water clustering, 3114P
Water permeation, 3114P
Water soluble polymers, 3434C
Water sorption, 669P, 1215P, 3114P
Water structure, 1129P
Water-repellent coatings, 32C
Water-soluble monomer, 555C
Water-soluble polymers, 640C, 1403C, 3018C
Water-vapor permeation, 979P
Wave formation, 1122P
Waveguide, 2717P
WAXS, 2896C, 1860P, 2022P
Whey, 985P
Wholly aromatic, 1242C
Wide-angle X-ray diffraction (WAXD), 1876P, 2005P, 2705P, 2793P, 2982P
Willgerodt–Kindler reaction, 3739C
Wittig reaction, 3278C
Work of adhesion, 920P, 1195P, 1848P

X-ray, 2005P, 2016P
X-ray crystal structures, 571C
X-ray diagram, 1839P
X-ray diffraction, 168P, 432P, 484P, 536P, 973P
X-ray photoelectron spectroscopy, 623P, 1017P
X-ray scattering, 2454P
X-ray structure analysis, 1296P
Xydar®, 1839P

Yielding, 363P
Young's modulus, 1122P, 1404P, 2252P
Ytrrium alkoxide, 284C
Yttrium, 284C

Ziegler–Natta, 313C, 2805C
Ziegler–Natta catalysts, 1681C
Zirconocene, 2085C, 3294C, 4243C
Zirconocene catalysts, 3566C
Zone drawing, 1629P
Z-scan method, 3686C
Zwitterion, 1564C
Zwitterionic monomers, 571C